

Service Manual

PIONEER®
The Art of Entertainment

DEH-P835R/EW



ORDER NO.
CRT2036

MULTI-CD/DSP CONTROL HIGH POWER CD PLAYER WITH RDS TUNER

DEH-P835R EW

MULTI-CD CONTROL HIGH POWER CD PLAYER WITH RDS TUNER

DEH-P735R EW

COMPACT
disc
DIGITAL AUDIO

- See the separate manual CX-597(CRT1829) for the CD mechanism description, disassembly and circuit description.
- The CD mechanism employed in this model is one of CX-597 series.
- This device employs an inverter as the power supply for EL. The inverter has an output voltage reach approximately 200 volts(AC). Utmost care should be used not to suffer from a possible electric shock, accordingly.
- The words "Sound Retrieval System" and the SRS Symbol(●) are trademarks of SRS Labs, Inc. Patented in the USA and selected countries.
*Registered in the US and selected foreign countries.

(●)*SOUND RETRIEVAL SYSTEM

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● CD Player Service Precautions

1. For pickup unit(CXX1230) handling, please refer to "Disassembly"(CX-597 Service Manual CRT1829). During replacement, handling precautions shall be taken to prevent an electrostatic discharge(protection by a short pin).
2. During disassembly, be sure to turn the power off since an internal IC might be destroyed when a connector is plugged or unplugged.
3. Please checking the grating after changing the service pickup unit(see page 58).
4. This device employs an inverter as the power supply for the EL. Utmost care should be used not to suffer from a possible electric shock, accordingly.

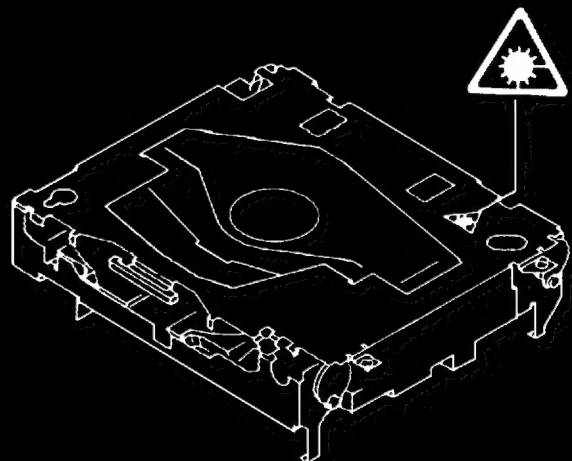
1. SAFETY INFORMATION

1. Safety Precautions for those who Service this Unit.

- When checking or adjusting the emitting power of the laser diode exercise caution in order to get safe, reliable results.

Caution:

1. During repair or tests, minimum distance of 13cm from the focus lens must be kept.
 2. During repair or tests, do not view laser beam for 10 seconds or longer.
2. A "CLASS 1 LASER PRODUCT" label is affixed to the rear of the player.
 3. The triangular label is attached to the mechanism unit frame.



4. Specifications of Laser Diode

Specifications of laser radiation fields to which human access is possible during service.

Wavelength = 800 nanometers

2. EXPLODED VIEWS AND PARTS LIST

2.1 PACKING

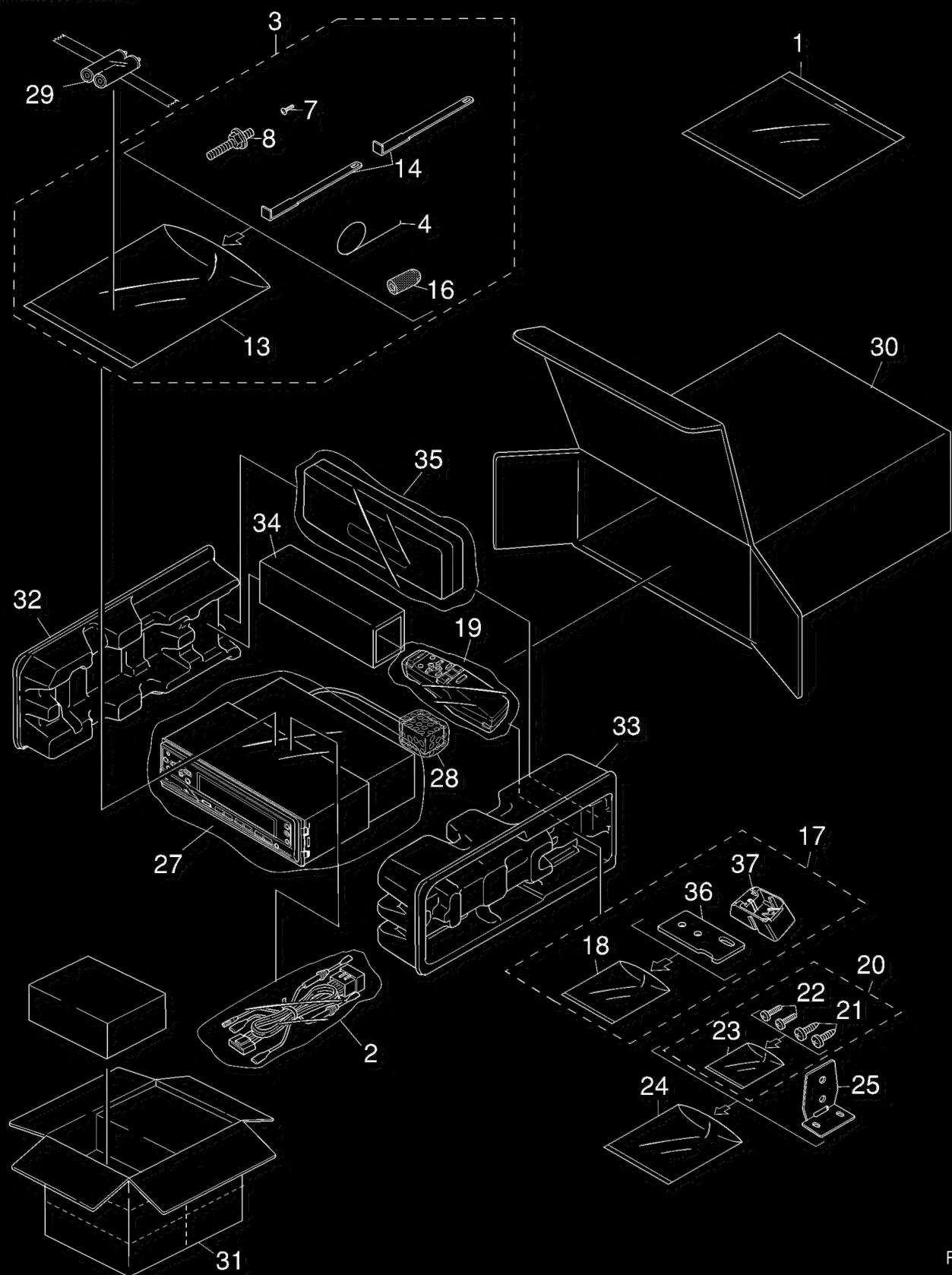


Fig. 1

DEH-P835R,P735R

NOTE:

- Parts marked by " * " are generally unavailable because they are not in our Master Spare Parts List.
- Screws adjacent to ▼ mark on the product are used for disassembly.

(1)PARTS LIST

Mark No.	Description	Part No.	Mark No.	Description	Part No.
1-1	Owner's Manual	See Contrast table(2)	15	.....
1-2	Owner's Manual	See Contrast table(2)	16	Bush	CNV1009
1-3	Owner's Manual	See Contrast table(2)	17	Base Assy	CEA2344
1-4	Installation Manual	See Contrast table(2)	18	Polyethylene Bag	CZE3188
1-5	Installation Manual	See Contrast table(2)	19	Remote Control Assy	See Contrast table(2)
1-6	Installation Manual	See Contrast table(2)	20	Screw Assy	CZE3198
* 1-7	Caution Card	CRP1145	21	Screw	BNC40P120FZK
* 1-8	Label	CRW1343	22	Screw	BPZ30P100FZK
1-9	Passport	CRY1013	* 23	Polyethylene Bag	CEG-127
* 1-10	Warranty Cordt	CRY1087	* 24	Polyethylene Bag	CZE3201
1-11	Polyethylene Bag	CEG1116	25	Bracket	CZN6467
2	Cord Assy	CDE5250	27	Polyethylene Bag	CEG-162
3	Accessory Assy	CEA2065	28	Air Cushioned Bag	CEG1192
4	Spring	CBH-865	29	Battery	CEX1006
5,6	.....		30	Carton	See Contrast table(2)
7	Screw	CBA1120	31	Contain Box	See Contrast table(2)
8	Screw	CBA1284	32	Protector	CHP1766
9-12	.....		33	Protector	CHP1767
* 13	Polyethylene Bag	E36-615	34	Spacer	CHW1433
14	Handle	CNC5395	35	Case Assy	CXA7194
			* 36	Sheet	CZA3371
			* 37	Base	CZN6466

(2) CONTRAST TABLE

DEH-P835R/EW and DEH-P735R/EW have the same construction except for the following:

Mark No.	Symbol & Description	Part No.	
		DEH-P835R/EW	DEH-P735R/EW
1-1	Owner's Manual	CRD2353	CRD2358
1-2	Owner's Manual	CRD2354	CRD2359
1-3	Owner's Manual	CRD2355	CRD2360
1-4	Installation Manual	CRD2357	CRD2361
1-5	Installation Manual	CRD2472	CRD2476
1-6	Installation Manual	CRD2473	CRD2477
19	Remote Control Assy	CXB1159	CXB1160
30	Carton	CHG3281	CHG3285
31	Contain Box	CHL3281	CHL3285

● Owner's Manual, Installation Manual

Model	Part No.	Language
DEH-P835R/EW	CRD2353	English, Spanish
	CRD2354	French, German
	CRD2355	Italian, Dutch
	CRD2357	English, Spanish
	CRD2472	French, German
	CRD2473	Italian, Dutch
DEH-P735R/EW	CRD2358	English, Spanish
	CRD2359	French, German
	CRD2360	Italian, Dutch
	CRD2361	English, Spanish
	CRD2476	French, German
	CRD2477	Italian, Dutch

2.2 EXTERIOR

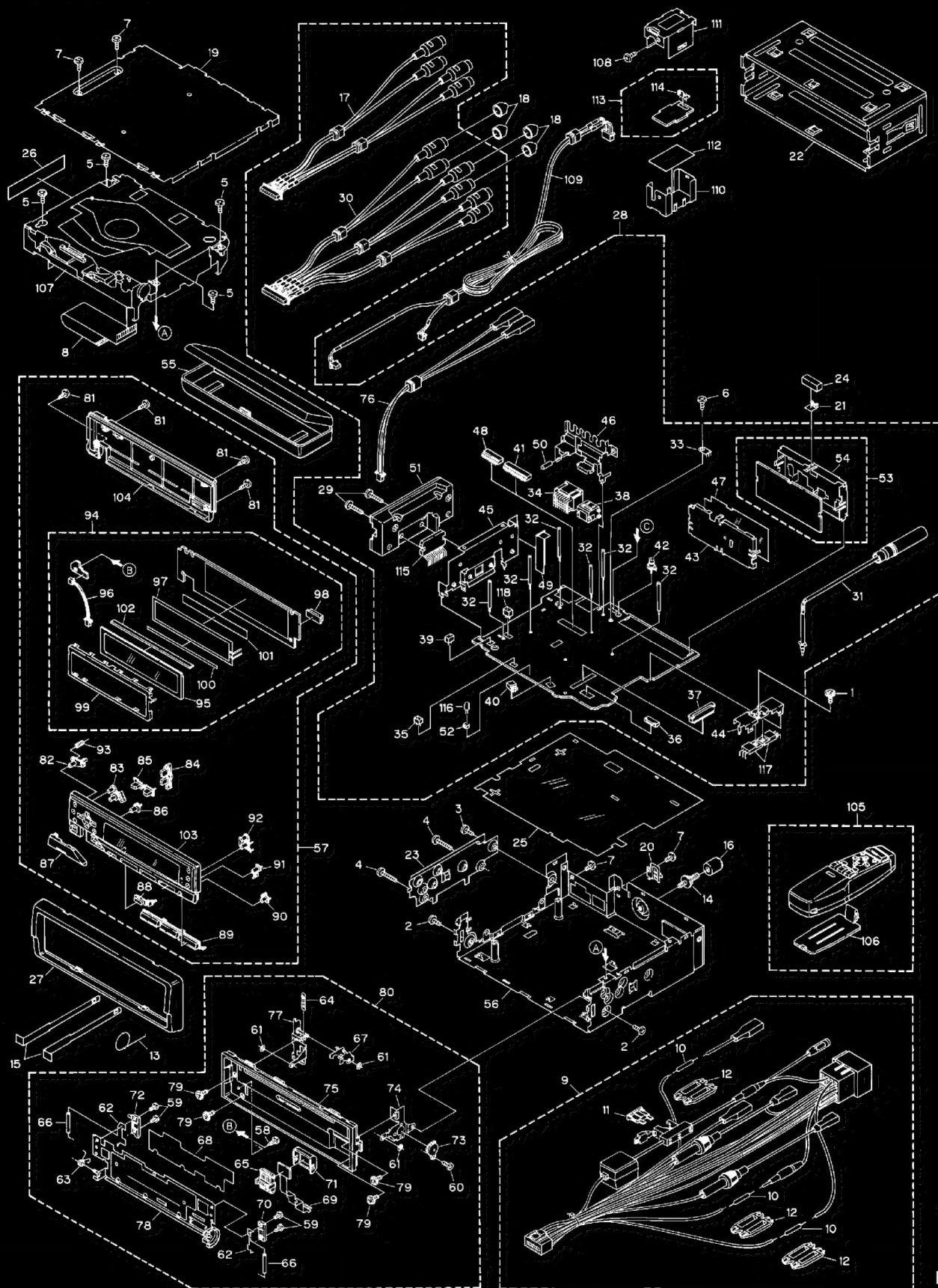


Fig. 2

● EXTERIOR

(1)PARTS LIST

Mark No.	Description	Part No.	Mark No.	Description	Part No.
1	Screw	ASZ26P080FMC	46	Bracket	See Contrast table(2)
2	Screw	BMZ30P040FMC	47	Insulator	CNM4684
3	Screw	BMZ30P050FMC	48	Connector(CN353)	See Contrast table(2)
4	Screw	BMZ30P180FMC	49	Spacer	CNM5305
5	Screw	BSZ26P050FMC	50	Spacer	CNM5306
6	Screw	BSZ30P055FUC	51	Heat Sink	CNR1451
7	Screw	BSZ30P060FMC	52	Holder	CNV1906
8	Connector	CDE4864	53	FM/AM Tuner Unit	CWE1416
9	Cord Assy	CDE5250	54	Holder	CNC6554
10	Resistor	RS1/2PMF102J	55	Case Assy	CXA7194
11	Fuse(10A)	CEK1136	56	Chassis Unit	See Contrast table(2)
12	Cap	CNS1472	57	Panel Assy	CXA9951
13	Spring	CBH-865	58	Screw	BPZ20P060FMC
14	Screw	CBA1284	59	Screw	CBA1082
15	Handle	CNC5395	60	Screw	CBA1176
16	Bush	CNV1009	61	Washer	CBF1001
17	Cord	See Contrast table(2)	62	Spring	CBH1528
18	Cap	See Contrast table(2)	63	Spring	CBH1660
20	Holder	CNC4963	64	Spring	CBH1696
21	Holder	CNC6469	65	Connector	CKS2780
22	Holder	CNC6798	66	Roller	CLA3023
23	Holder	CNC6924	67	Arm	CNC7130
24	Cushion	CNM4870	68	Sheet	CNM5142
25	Insulator	CNM5143	69	P.C.Board	CNP3847
26	Spacer	CNM5304	70	Holder	CNV2141
27	Panel	CNS4320	71	Cover	CNV3965
28	Tuner Amp Unit	See Contrast table(2)	72	Holder	CNV4979
29	Screw	BSZ26P160FMC	73	Damper Unit	CXA7159
30	Cord	See Contrast table(2)	74	Holder Unit	CXA7794
31	Antenna Cable	CDH1146	75	Panel Unit	CXA9803
32	Clamper	CEF1006	76	Cord Assy	CDE5372
33	Terminal(CN404)	CKF1059	77	Holder Unit	CXA9806
34	Plug(CN901)	CKM1187	78	Holder Unit	CXA9807
35	Plug(CN802)	CKS-783	79	Screw	IMS20P040FZK
36	Connector(CN801)	CKS2212	80	Detach Grille Assy	See Contrast table(2)
37	Connector(CN991)	CKS2774	81	Screw	BPZ20P080FZK
38	Connector(CN101)	CKS3408	82	Button(○)	CAC4971
39	Connector(CN804)	CKS3582	83	Button(F A)	CAC4972
40	Connector(CN803)	CKS3596	84	Button(▲▼)	CAC4973
41	Connector(CN353)	See Contrast table(2)	85	Button(◀▶)	CAC4974
42	Mini Pin Jack(CN403)	CKX1046	86	Button(B A)	CAC4975
43	Holder	CNC6356	87	Button(- +)	CAC4976
44	Holder	CNC6431	88	Button(SOURCE)	CAC4977
45	Holder	CNC6923	89	Button(1-6)	CAC5379
			90	Button(D)	CAC4979

Mark No.	Description	Part No.	Mark No.	Description	Part No.
91	Button(P)	CAC4980	106	Battery Cover	CNS4406
92	Button	CAC4981	107	CD Mecanism Module(S7)	CXK5001
93	Spring	CBH1844	108	Screw	BSZ26P050FMC
94	Keyboard Unit	See Contrast table(2)	109	Cord	MDE9009
95	LCD	See Contrast table(2)	110	Holder	MNC9001
96	Cord	CDE4387	111	Holder	MNC9002
97	EL(CN1902)	CEL1493	112	Insulator	MNM9001
98	Connector(CN1901)	CKS2733	113	Inverter Unit	MWM9001
99	Holder	CNC6920	114	Plug(CN101)	CKS1224
100	Spacer	CNM5449	115	IC(IC171)	TDA7386
101	Double Side Seal	CNM5301	116	Lamp(IL801)	CEL1263
102	Connector	CNV4817	117	Transistor(Q941,992)	2SD2396
103	Grille Unit	See Contrast table(2)	118	Connector(CN651)	CKS3583
104	Cover Unit	CXA9802			
105	Remote Control Assy	See Contrast table(2)			

(2) CONTRAST TABLE

DEH-P835R/EW and DEH-P735R/EW have the same construction except for the following:

Mark No.	Symbol & Description	Part No.	
		DEH-P835R/EW	DEH-P735R/EW
17	Cord(4P)	Not used	CDE5244
18	Cap	CNV2680(4)	Not used
28	Tuner Amp Unit	CWM5048	CWM5053
30	Cord	CDE5247	Not used
41	Connector(CN353)	CKS3606	Not used
46	Bracket	CNC6952	CNC7131
48	Connector(CN353)	Not used	CKS3602
56	Chassis Unit	CXA9808	CXA9812
80	Detach Grille Assy	CXA9967	CXA9973
94	Keyboard Unit	CWM5062	CWM5416
95	LCD	CAW1403	CAW1404
103	Grille Unit	CXA9789	CXA9799
105	Remote Control Assy	CXB1159	CXB1160

2.3 CD MECHANISM MODULE

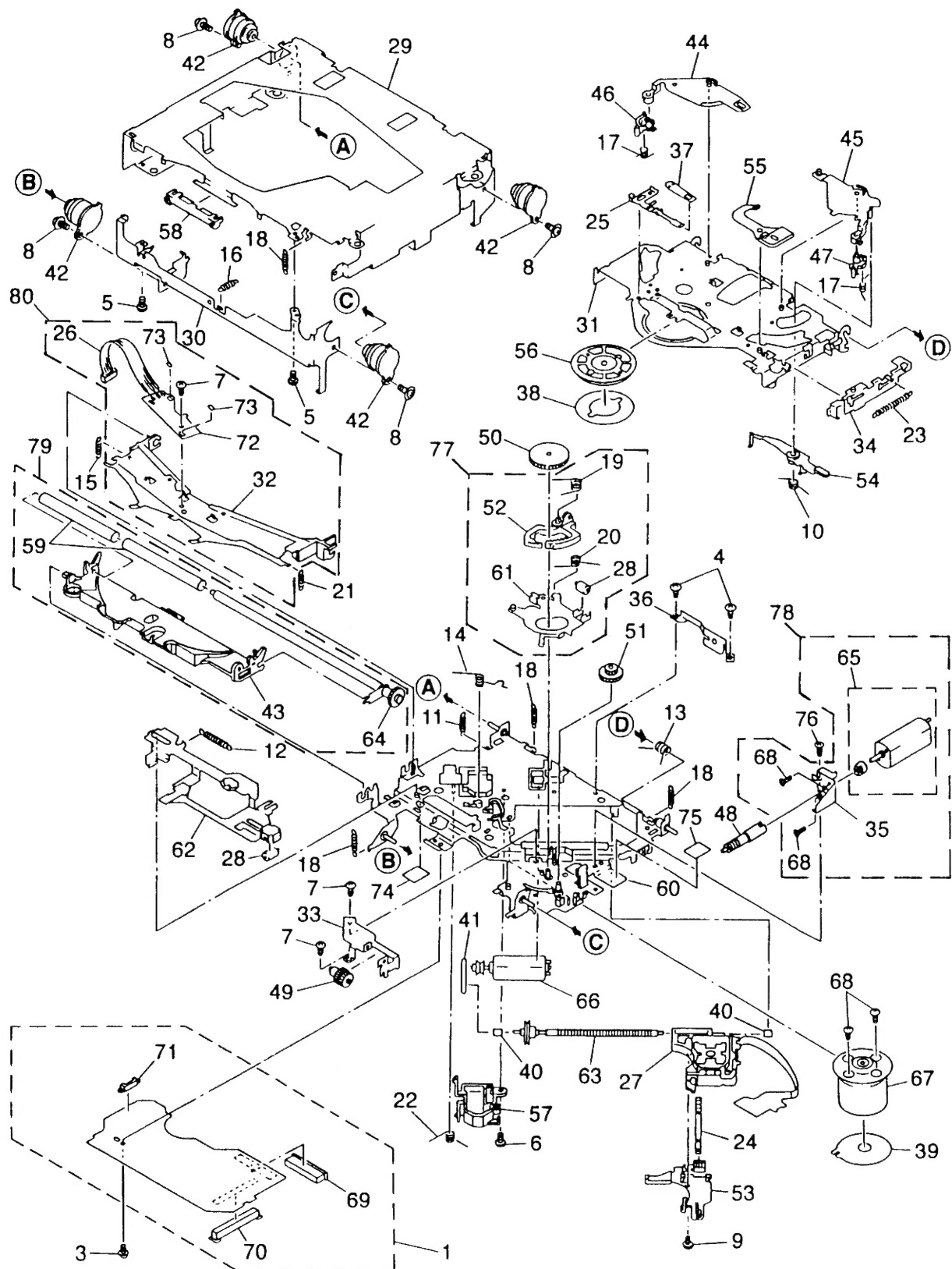


Fig. 3

● CD MECHANISM MODULE

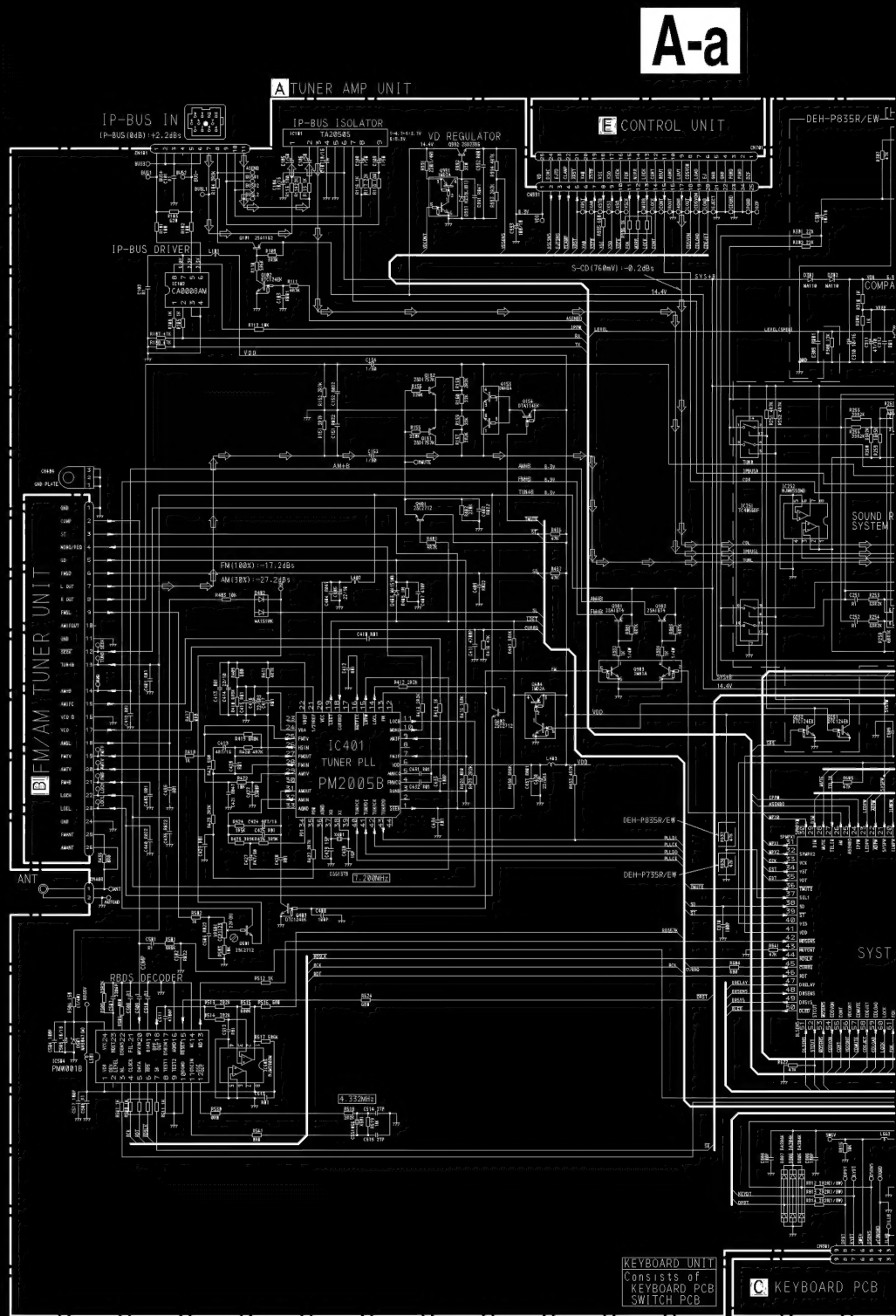
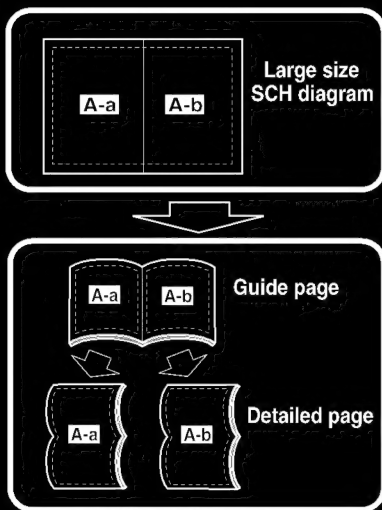
● PARTS LIST

Mark No.	Description	Part No.	Mark No.	Description	Part No.
1	Control Unit	CWX1889	46	Arm	CNV4124
2	.....		47	Arm	CNV4125
3	Screw	IMS26P035FMC	48	Gear	CNV4128
4	Screw	BMZ20P040FMC	49	Gear	CNV4129
5	Screw	BSZ20P040FMC	50	Gear	CNV4130
6	Screw(M2×3)	CBA1077	51	Gear	CNV4131
7	Screw(M2×2)	CBA1250	52	Arm	CNV4136
8	Screw(M2×5)	CBA1296	53	Holder	CNV4663
9	Screw(M2×3.85)	CBA1362	54	Arm	CNV4138
10	Spring	CBH1945	55	Arm	CNV4139
11	Spring	CBH1724	56	Clamper	CNV4140
12	Spring	CBH1939	57	Holder	CNV4664
13	Spring	CBH1729	58	Guide	CNV4484
14	Spring	CBH1730	59	Roller	CNV4509
15	Spring	CBH1731	60	Chassis Unit	CXA9515
16	Spring	CBH1732	61	Arm Unit	CXA8565
17	Spring	CBH1736	62	Lever Unit	CXA9300
18	Spring	CBH1745	63	Screw Unit	CXA8699
19	Spring	CBH1832	64	Gear Unit	CXA8701
20	Spring	CBH1833	65	Load Motor Unit(M3)	CXA8702
21	Spring	CBH1848	66	CRG Motor Unit(M2)	CXA8986
22	Spring	CBH1849	67	Motor Unit(M1)	CXA8912
23	Spring	CBH1863	68	Screw	JFZ20P025FMC
24	Spring	CBL1214	69	Connector(CN101)	CKS1953
25	Spring	CBL1269	70	Connector(CN701)	CKS2774
26	Connector(CN1)	CDE4576	71	Connector(CN801)	CKS2196
27	Pickup Unit(Service)	CXX1230	* 72	Gathering PCB	CNX2445
28	Roller	CLA2627	73	Photo-transistor(Q1, 2)	CPT-230S-X
29	Frame	CNC5796	74	Sheet	CNM4873
30	Frame	CNC5797	75	Cushion	CNM3917
31	Arm	CNC5799	76	Screw	BMZ20P025FMC
32	Arm	CNC5801	77	ELBO Arm Assy	CXA8889
33	Bracket	CNC5871	78	Load Motor Assy	CXA8891
34	Lever	CNC6054	79	LO Arm Assy	CXA8892
35	Bracket	CNC6056	80	Guide Arm Assy	CXA8893
* 36	Bracket	CNC6376			
37	Spacer	CNM3315			
38	Sheet	CNM4849			
39	PCB	CNP4230			
40	Bearing	CNR1415			
41	Belt	CNT1071			
42	Damper	CNV3974			
43	Arm	CNV4120			
44	Arm	CNV4122			
45	Arm	CNV4123			

3. SCHEMATIC DIAGRAM

3.1 OVERALL CONNECTION DIAGRAM(GUIDE PAGE)

Note: When ordering service parts, be sure to refer to "EXPLODED VIEWS AND PARTS LIST" or "ELECTRICAL PARTS LIST".



A-b

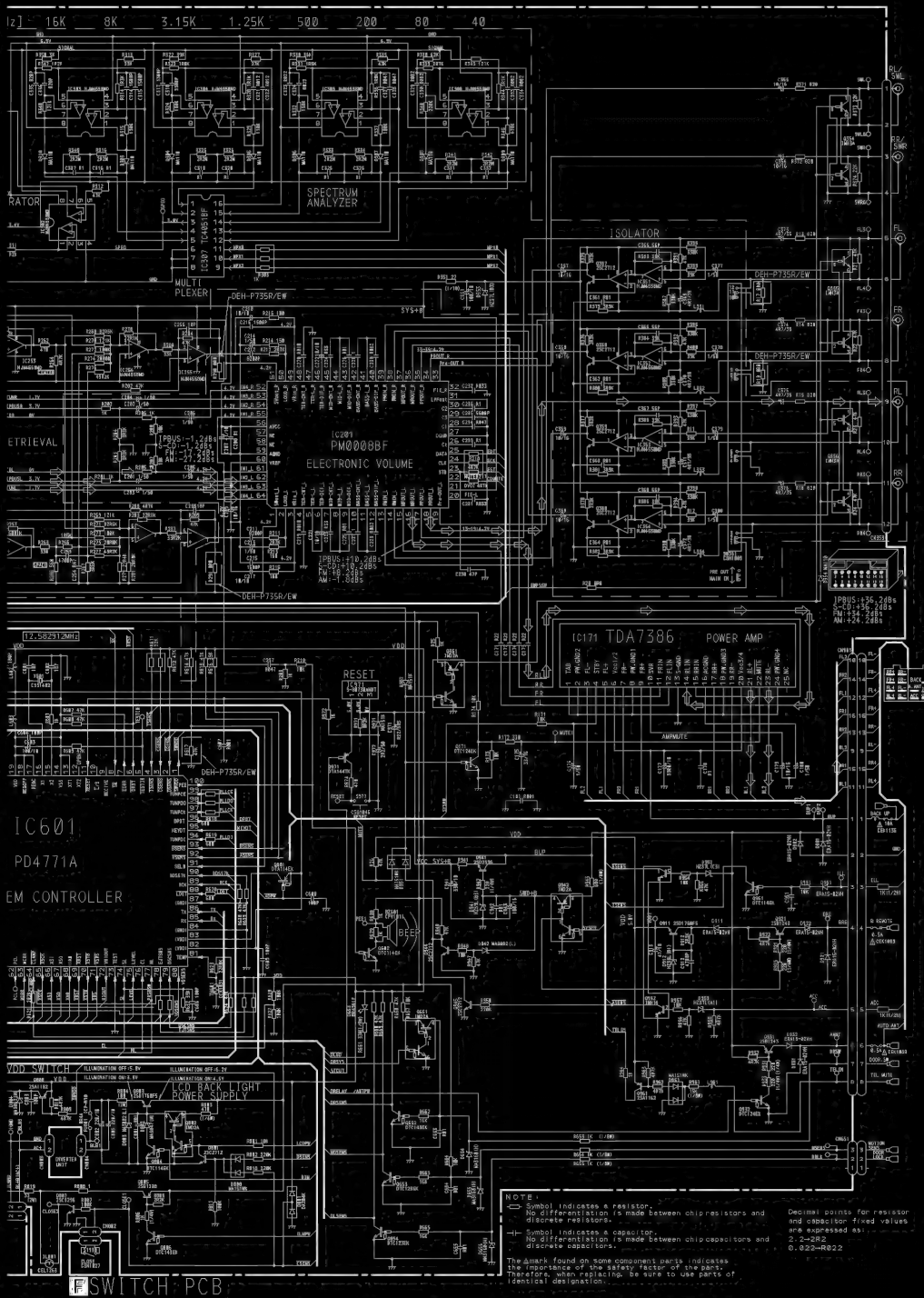
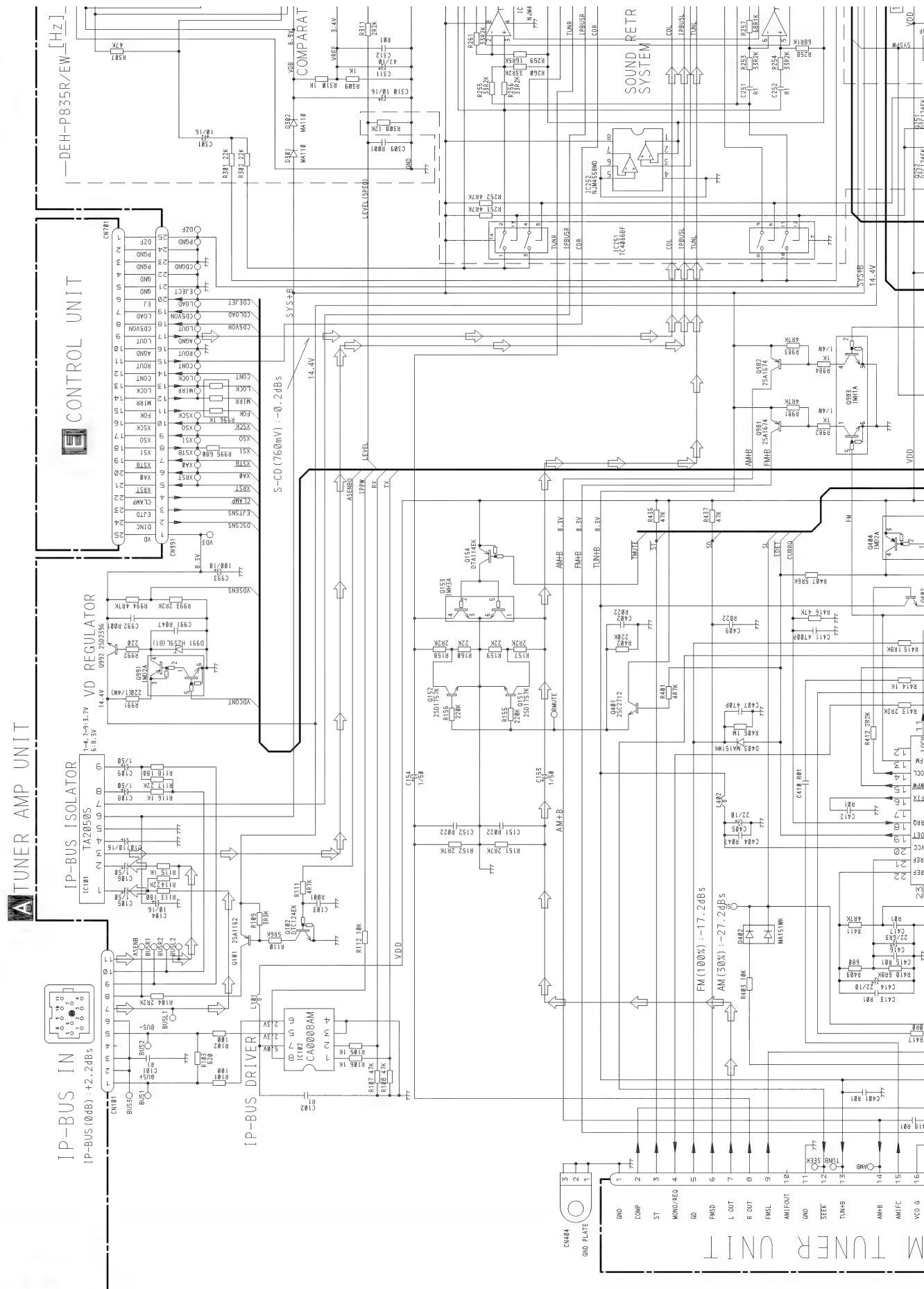


Fig. 4

A-a A-b



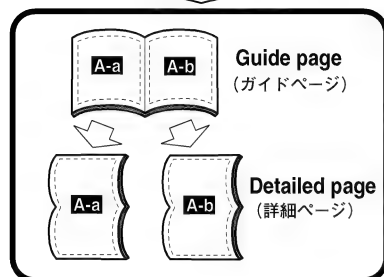
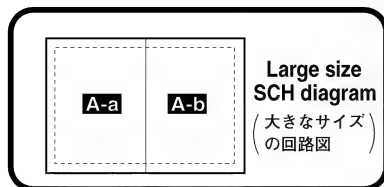


A-a



**F A-b**

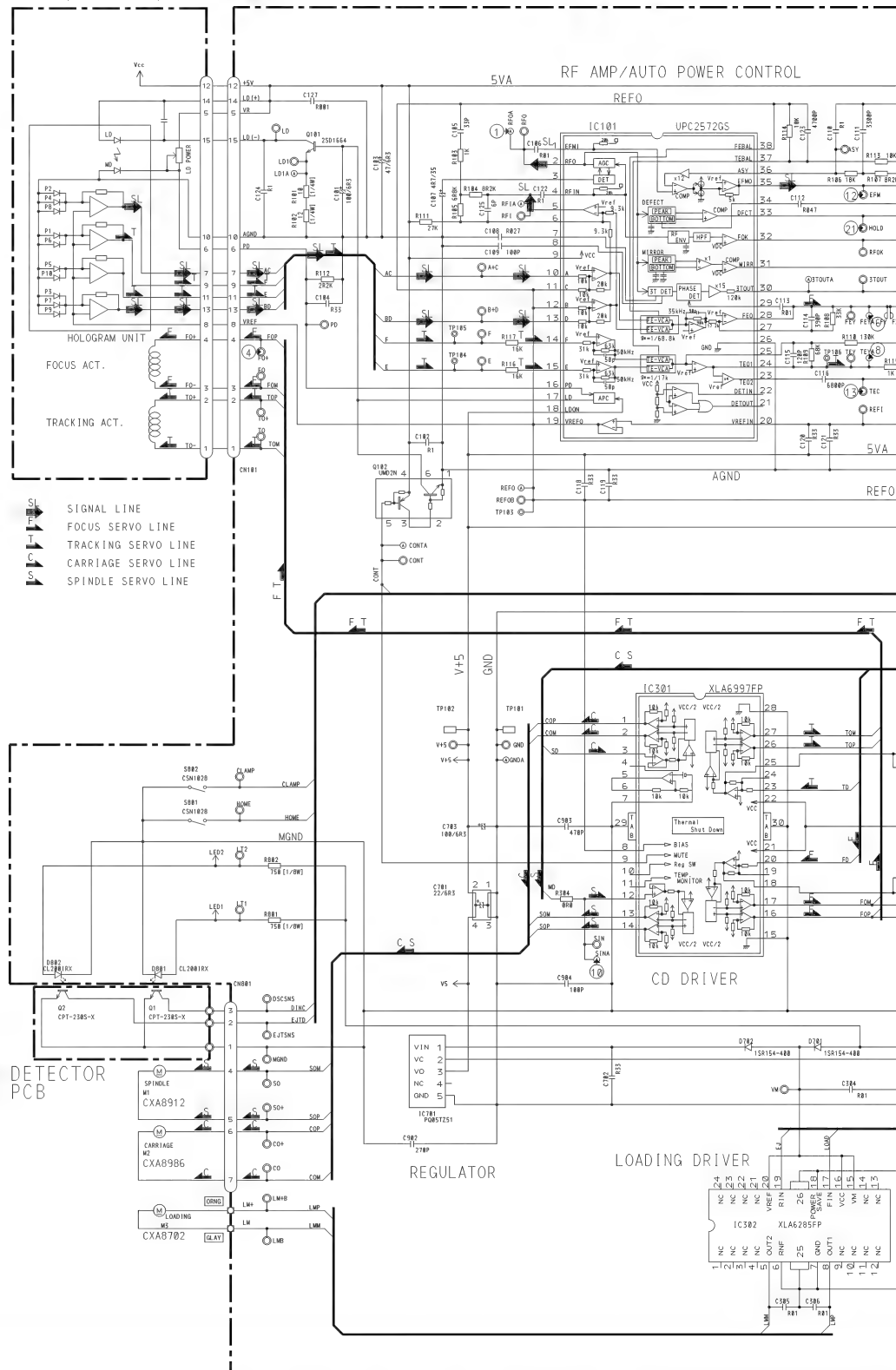
3.2 CD MECHANISM MODULE(GUIDE PAGE)

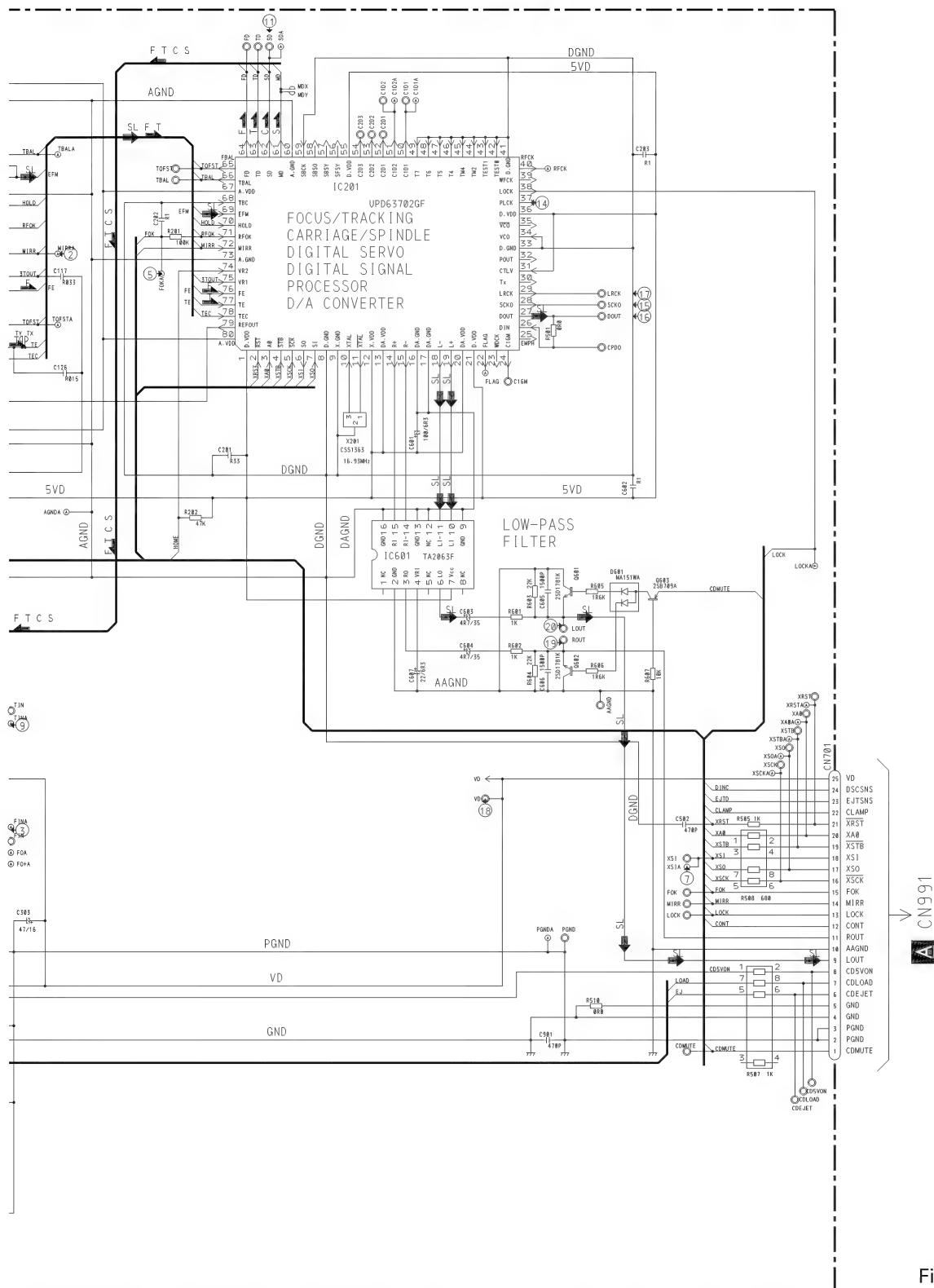


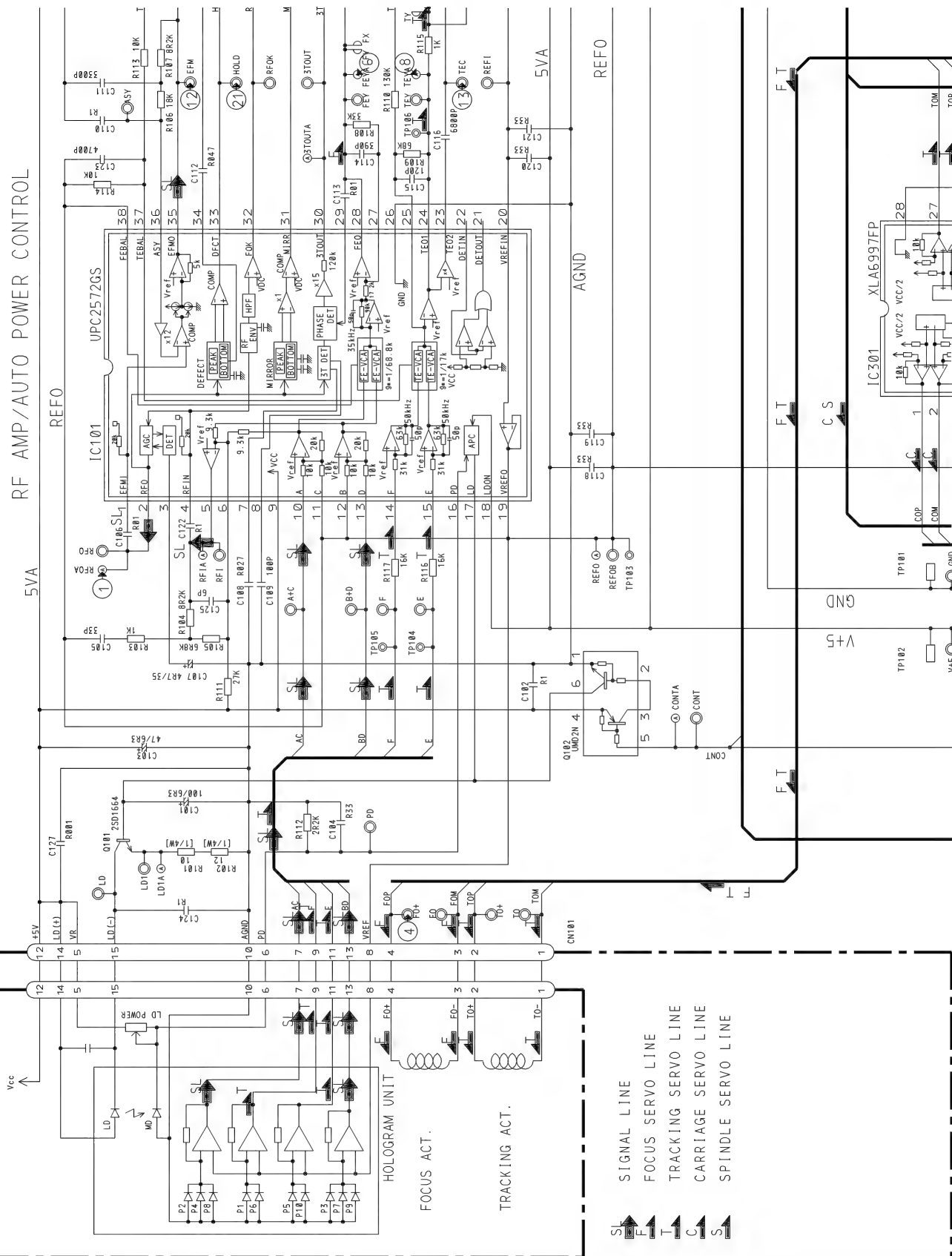
SERVICE PICKUP
UNIT (CX1230)

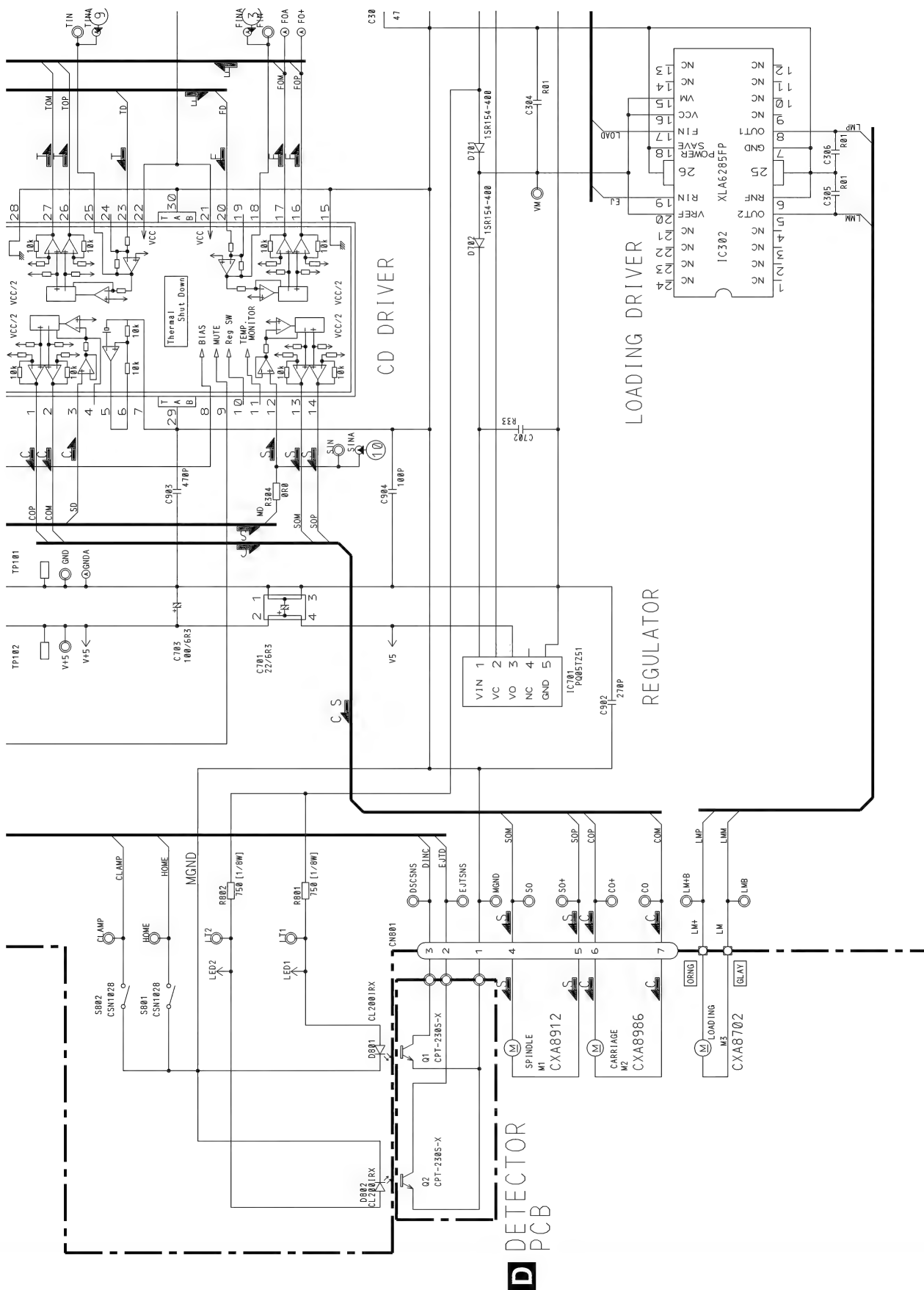
E CONTROL UNIT

E-a



E-b

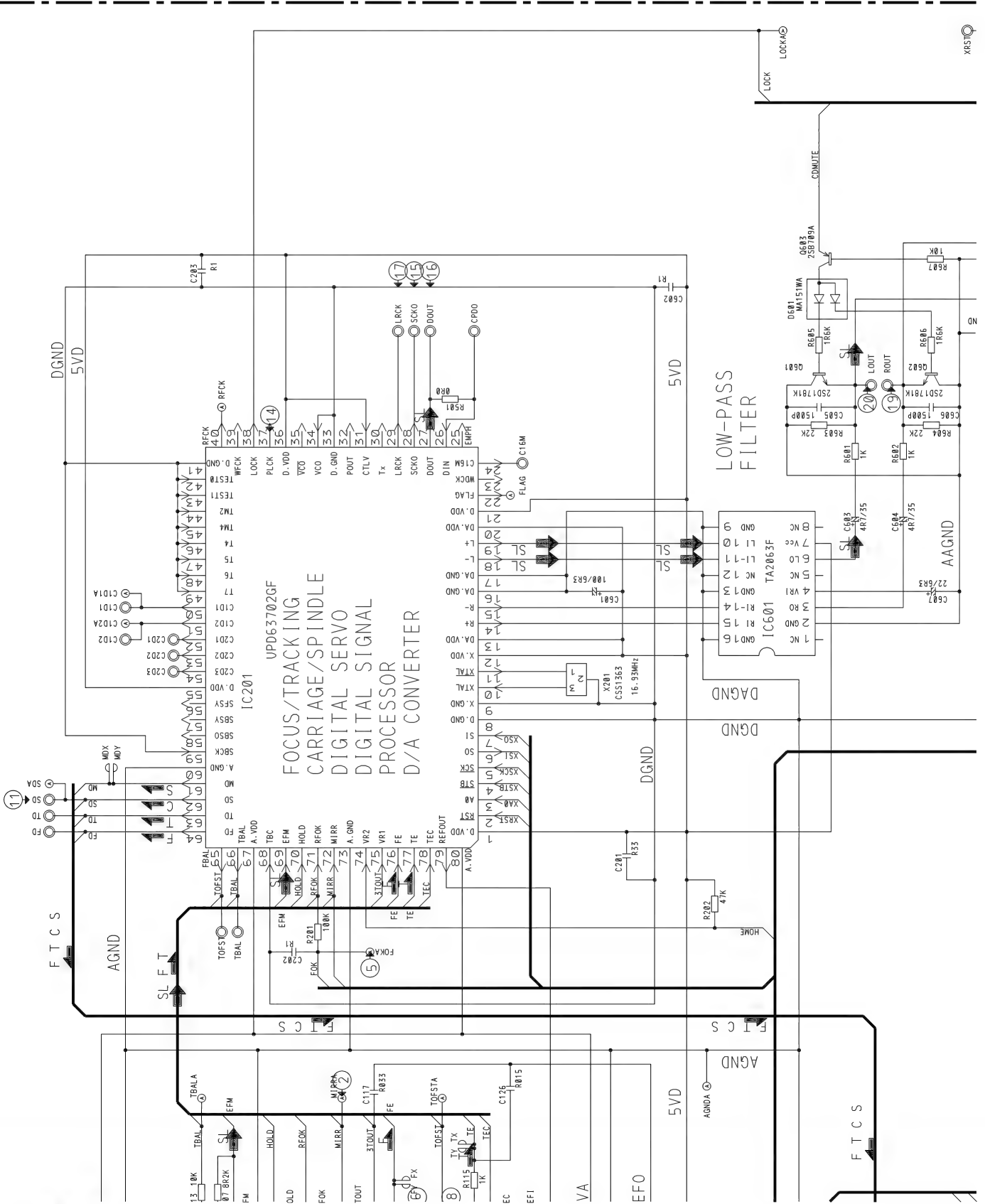


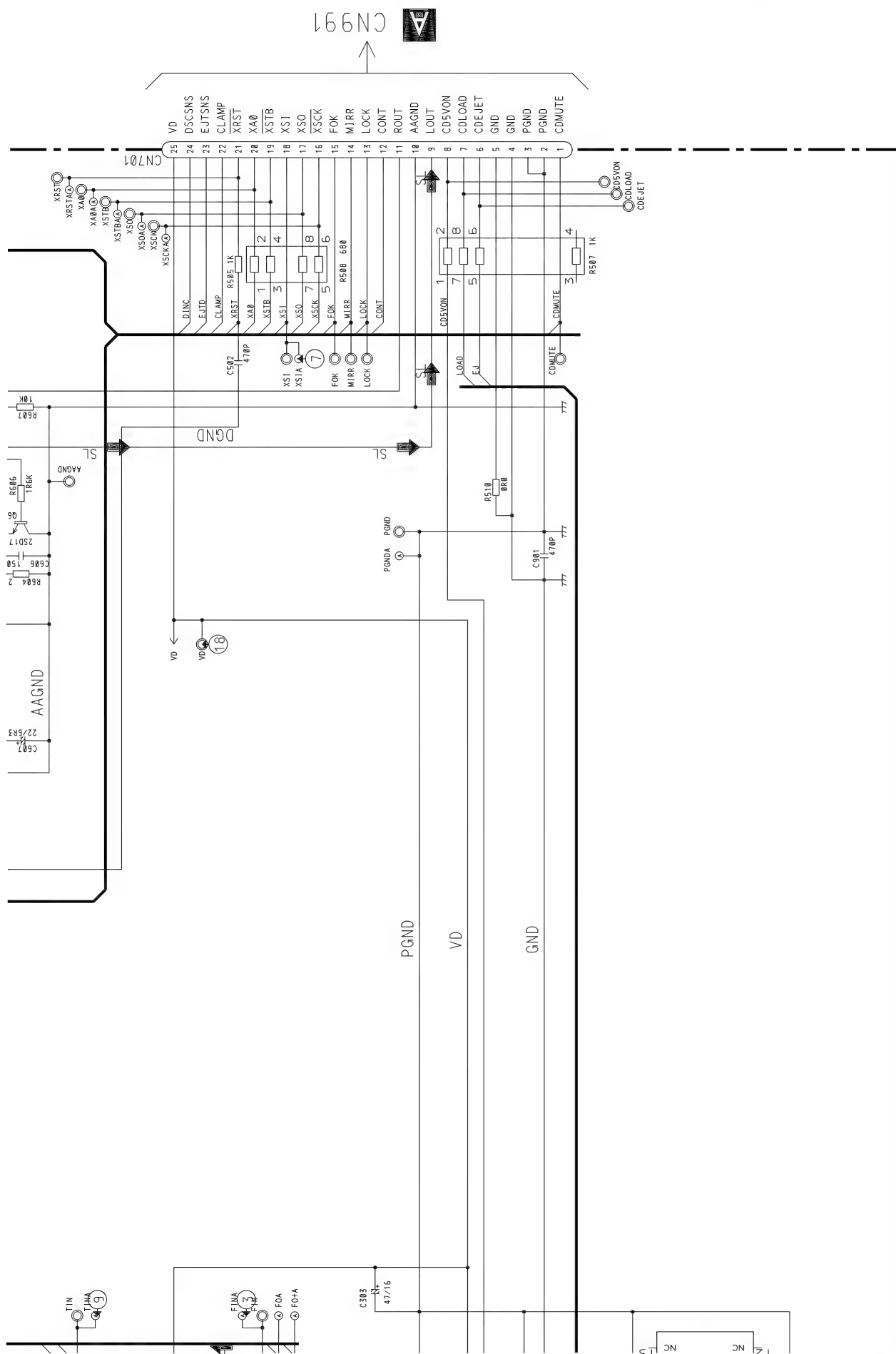


SWITCHES:
 CONTROL UNIT
 S801:HOME SWITCH.....ON-OFF
 S802:CLAMP SWITCH.....ON-OFF
 The underlined indicates the switch position.

E-a E-b

Fig. 8



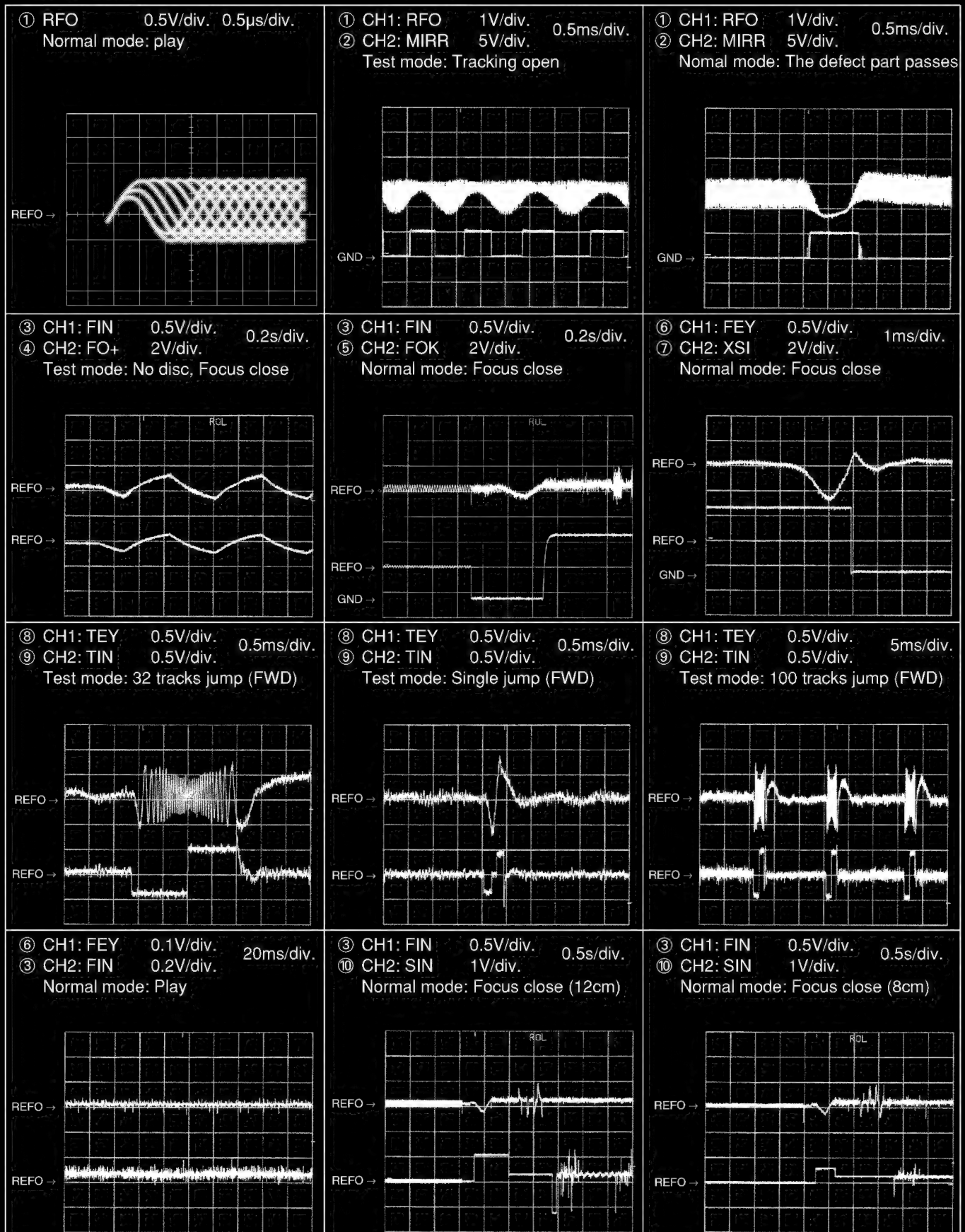


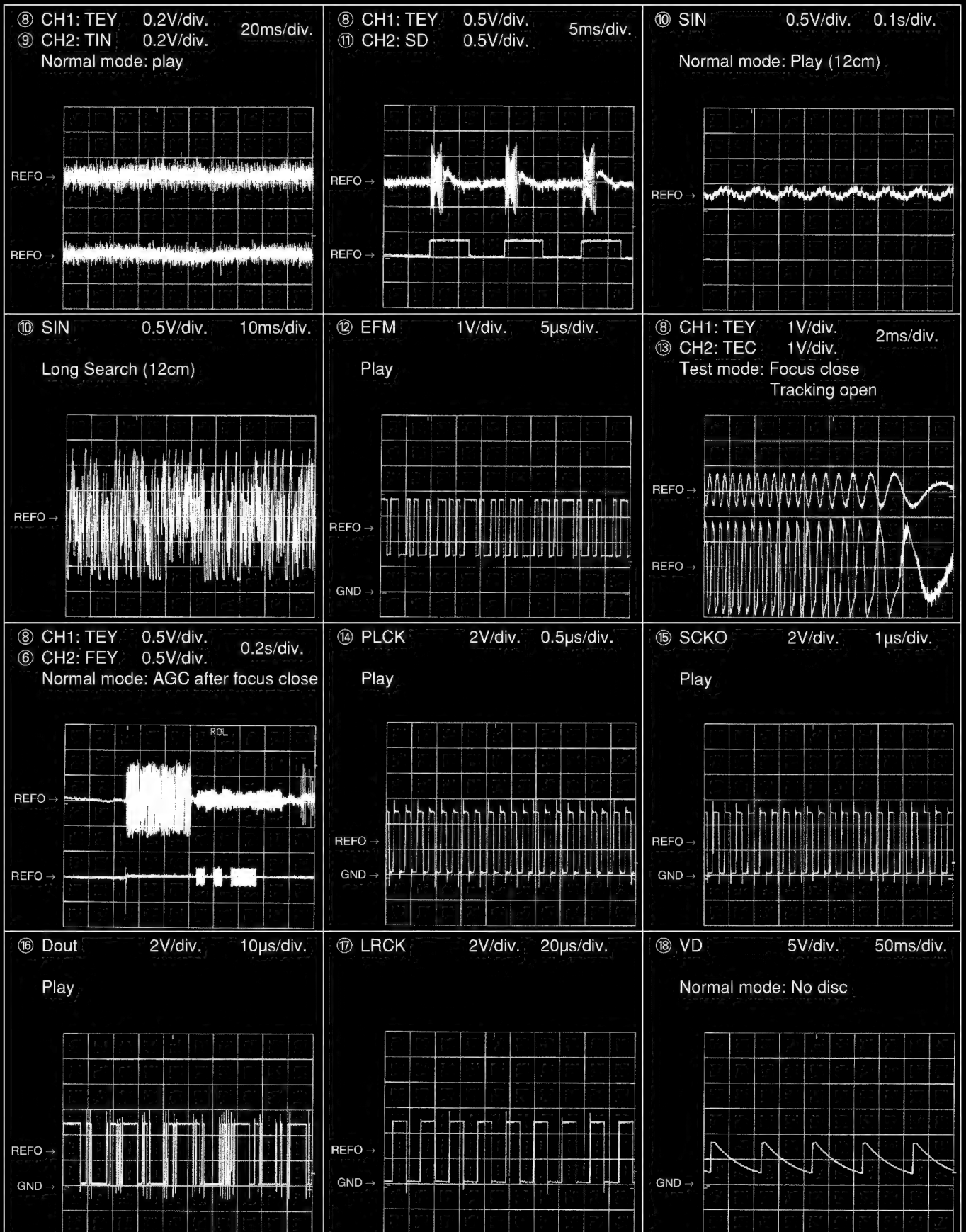
E-a

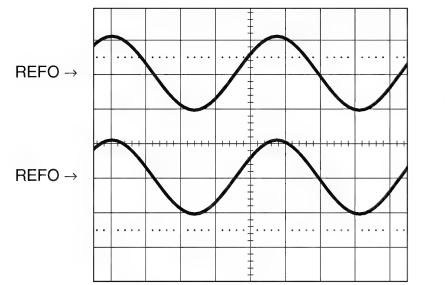
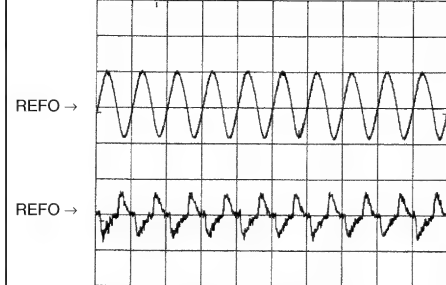
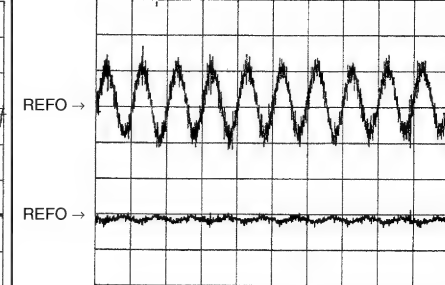
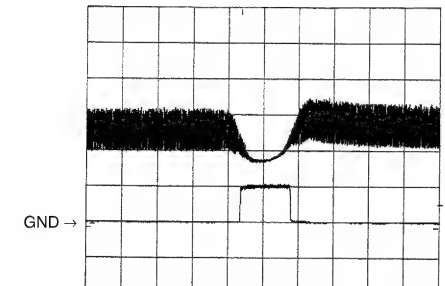
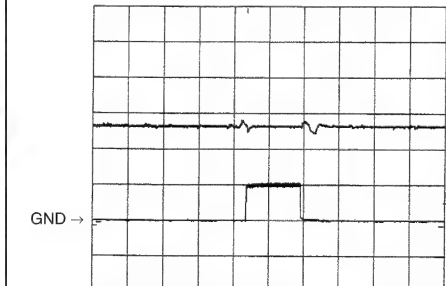
Fig. 9

Note: 1. The encircled numbers denote measuring pointes in the circuit diagram.
2. Reference voltage
REFO:2.5V

● Waveforms





<div><div><div>⑮ CH1: R OUT 1V/div. 0.2ms/div.</div><div>⑳ CH2: L OUT 1V/div.</div><div>Normal mode: Play (1kHz 0dB)</div></div><div></div></div>	<div><div><div>⑥ CH1: FEY 0.2V/div. 1ms/div.</div><div>③ CH2: FIN 0.5V/div.</div><div>Normal mode: During AGC</div></div><div></div></div>	<div><div><div>⑧ CH1: TEY 0.2V/div. 1ms/div.</div><div>⑨ CH2: TIN 0.5V/div.</div></div><div></div></div>
<div><div><div>① CH1: RFO 1V/div. 0.5ms/div.</div><div>⑳ CH2: HOLD 5V/div.</div><div>Normal mode: The defect part passes 800μm</div></div><div></div></div>	<div><div><div>③ CH1: FIN 1V/div. 0.5ms/div.</div><div>⑳ CH2: HOLD 5V/div.</div><div>Normal mode: The defect part passes 800μm</div></div><div></div></div>	

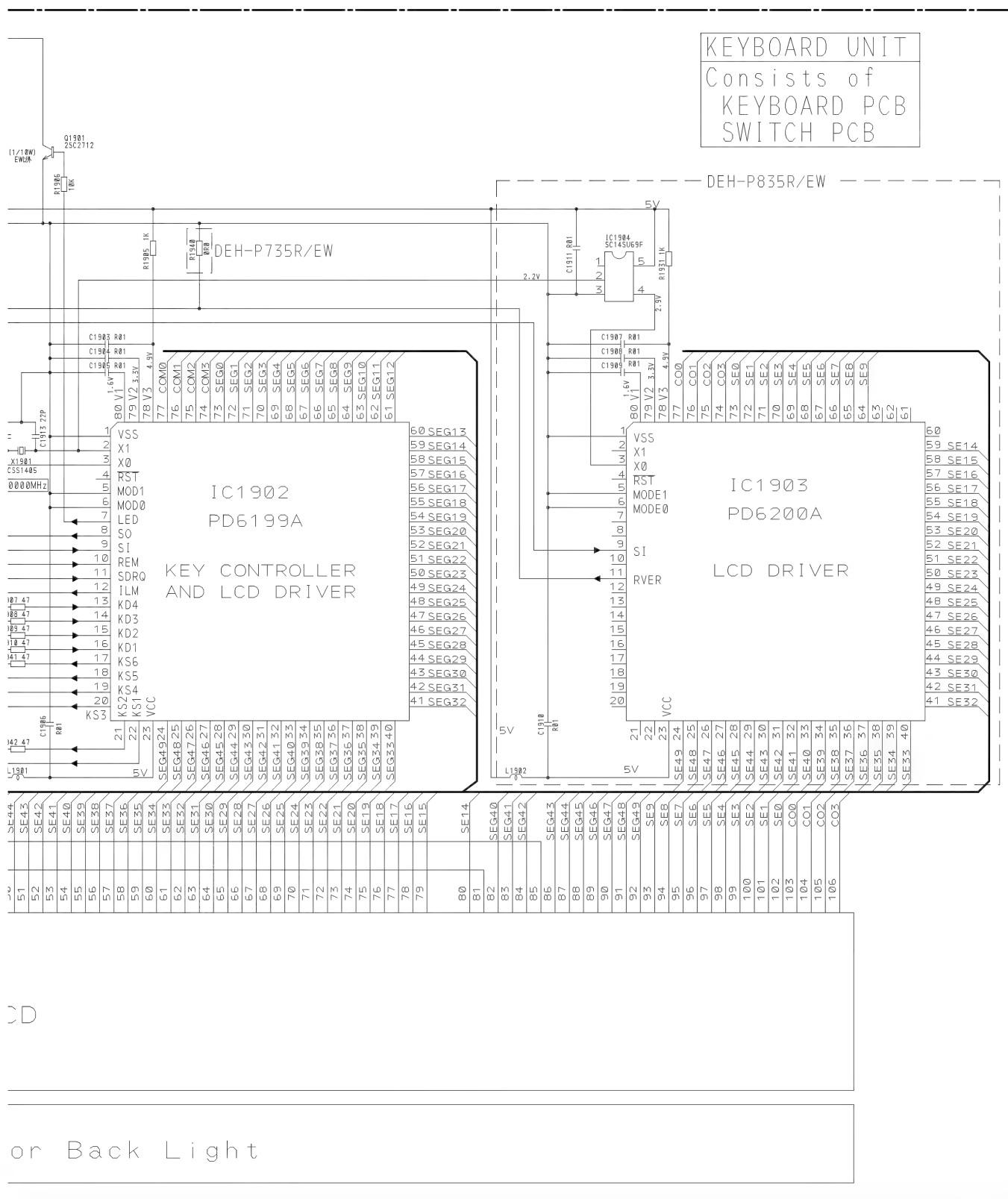
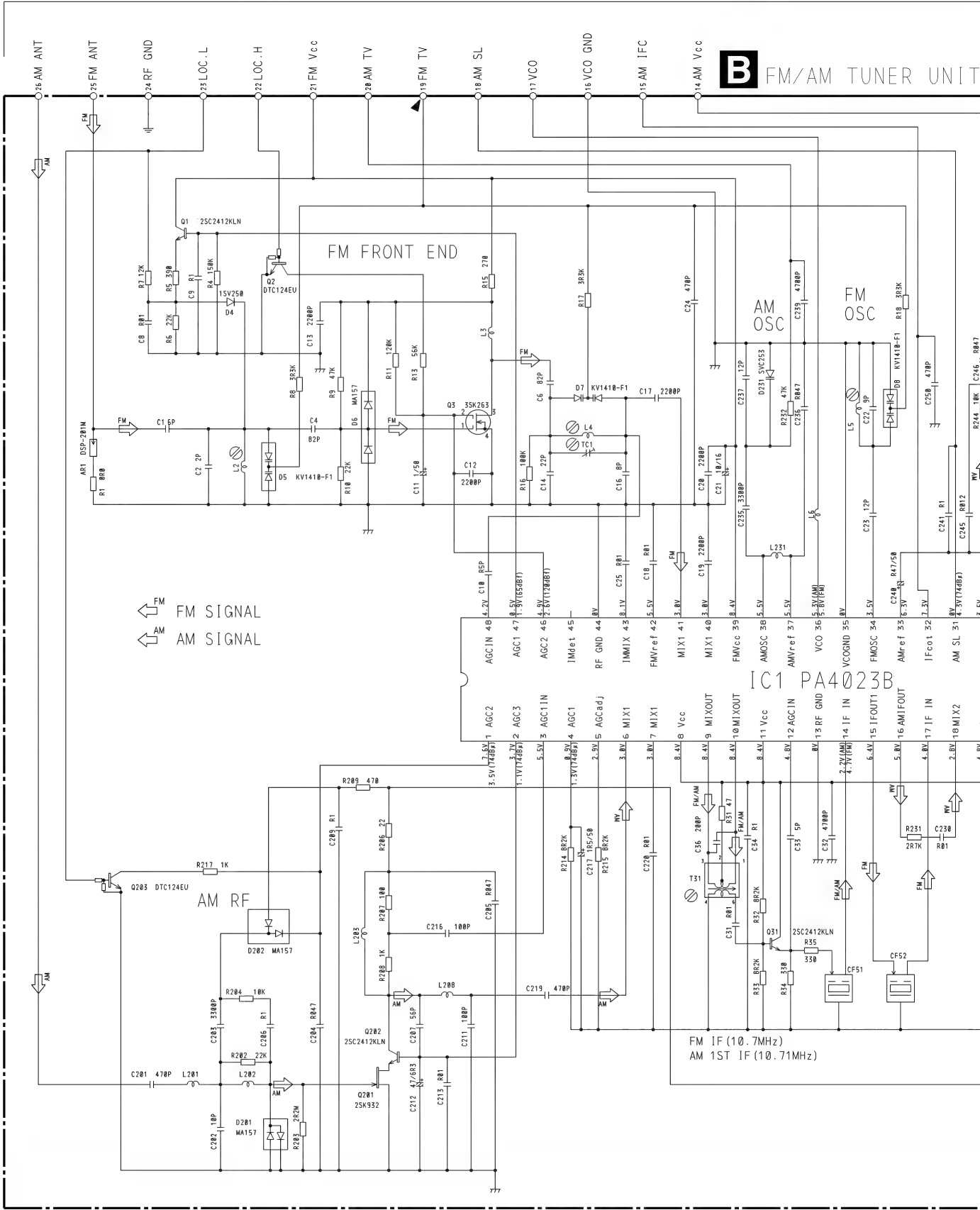


Fig. 10

3.4 FM/AM TUNER UNIT

A

B FM/AM TUNER UNIT



B

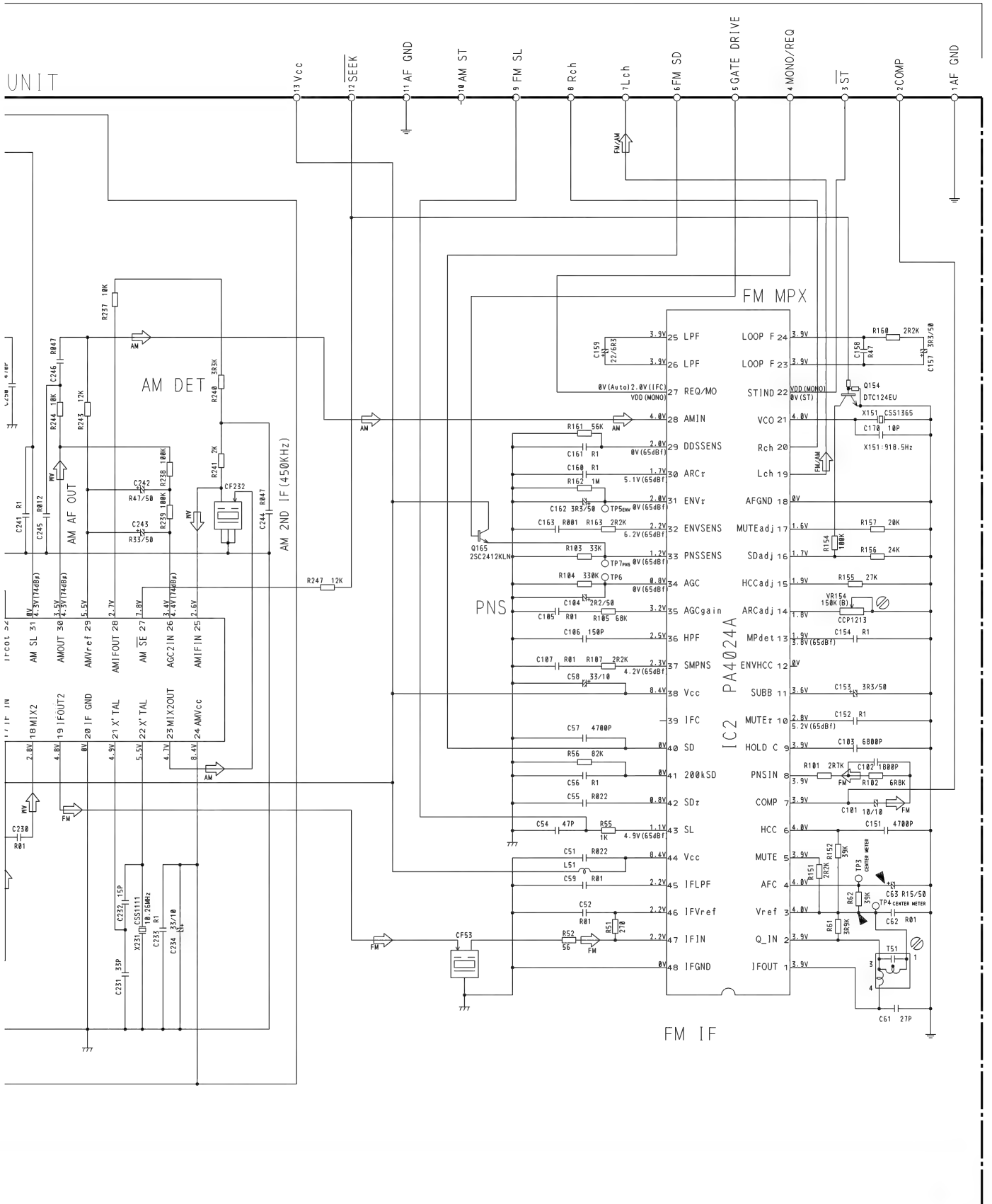


Fig. 11

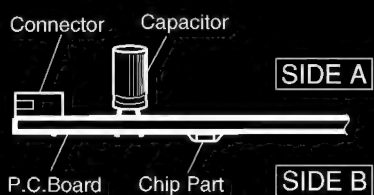
4. PCB CONNECTION DIAGRAM

4.1 TUNER AMP UNIT

NOTE FOR PCB DIAGRAMS

1. The parts mounted on this PCB include all necessary parts for several destination.
For further information for respective destinations, be sure to check with the schematic diagram.

2. Viewpoint of PCB diagrams



IC. Q ADJ

0982 0981
IC102 0152

IC401 IC101
0151

Q154 IC504
Q102 0153

IC503

Q921 Q931 Q951

IC971

Q351 Q353
Q352

Q941

IC501
Q652

Q651
Q359 Q357
IC171
Q911

Q358 IC601
Q360

Q361
IC505

Q805

IC302

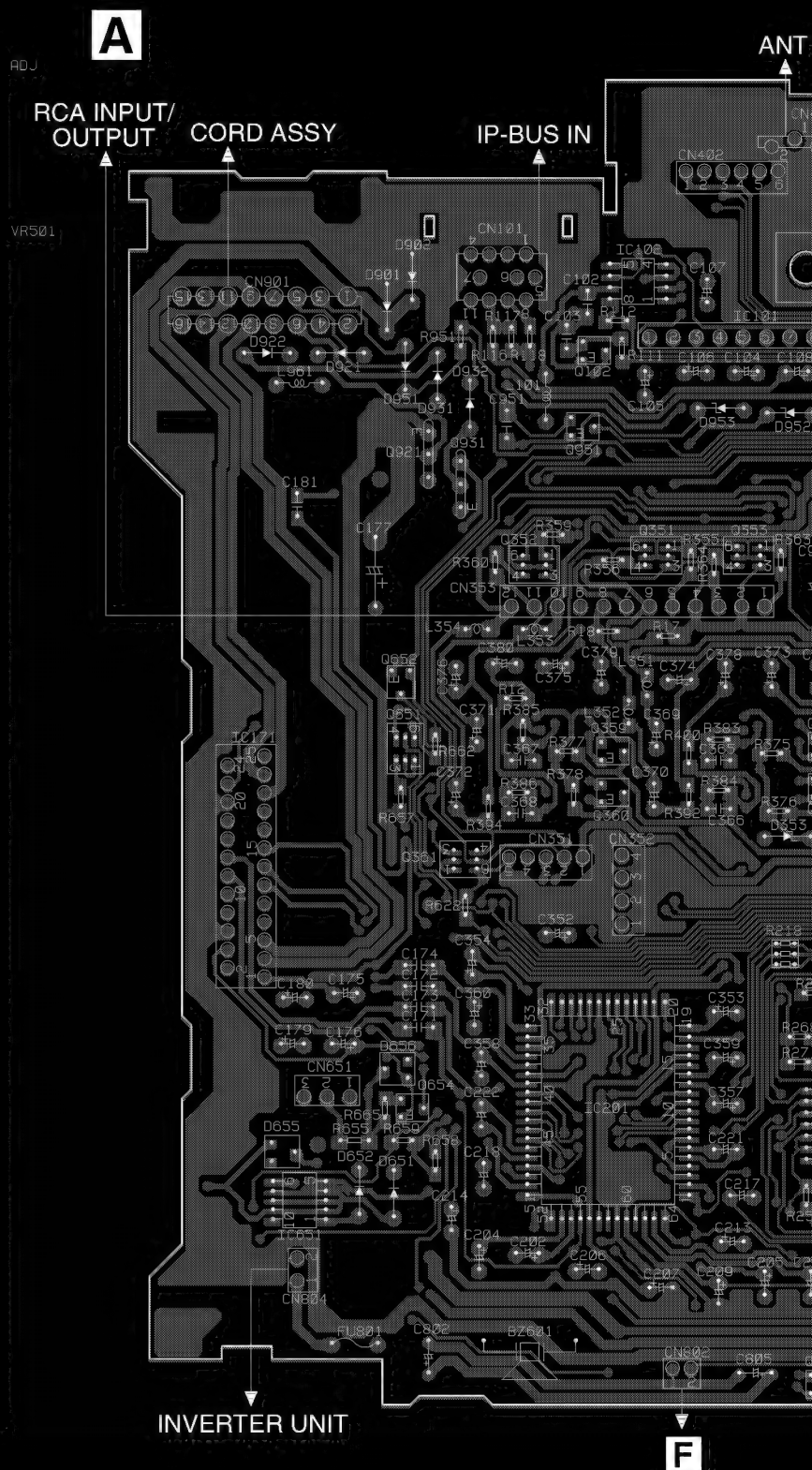
Q654 IC307
IC201

Q803 Q992

IC251
Q251 IC252

IC651

Q807



SIDE A

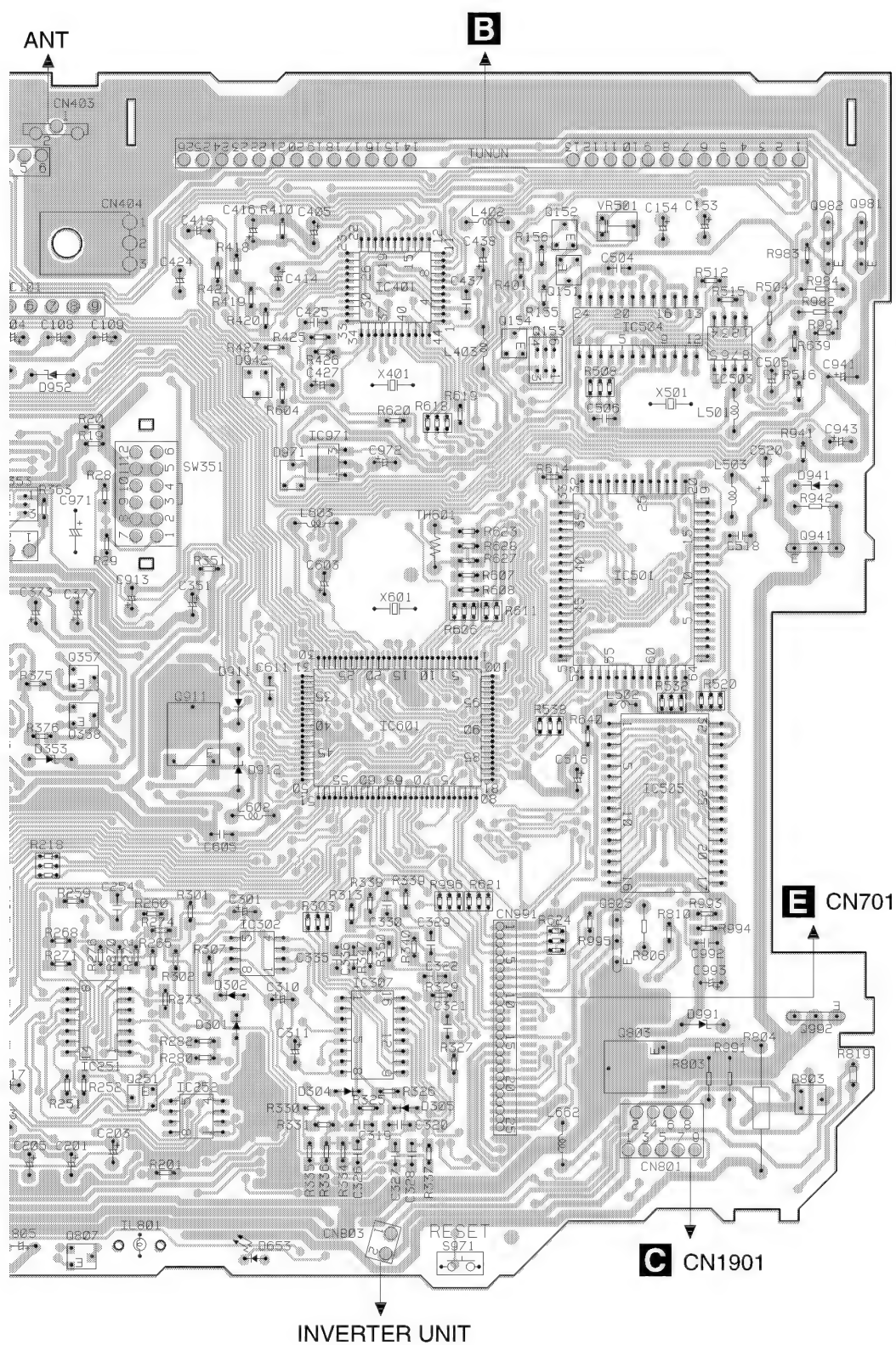
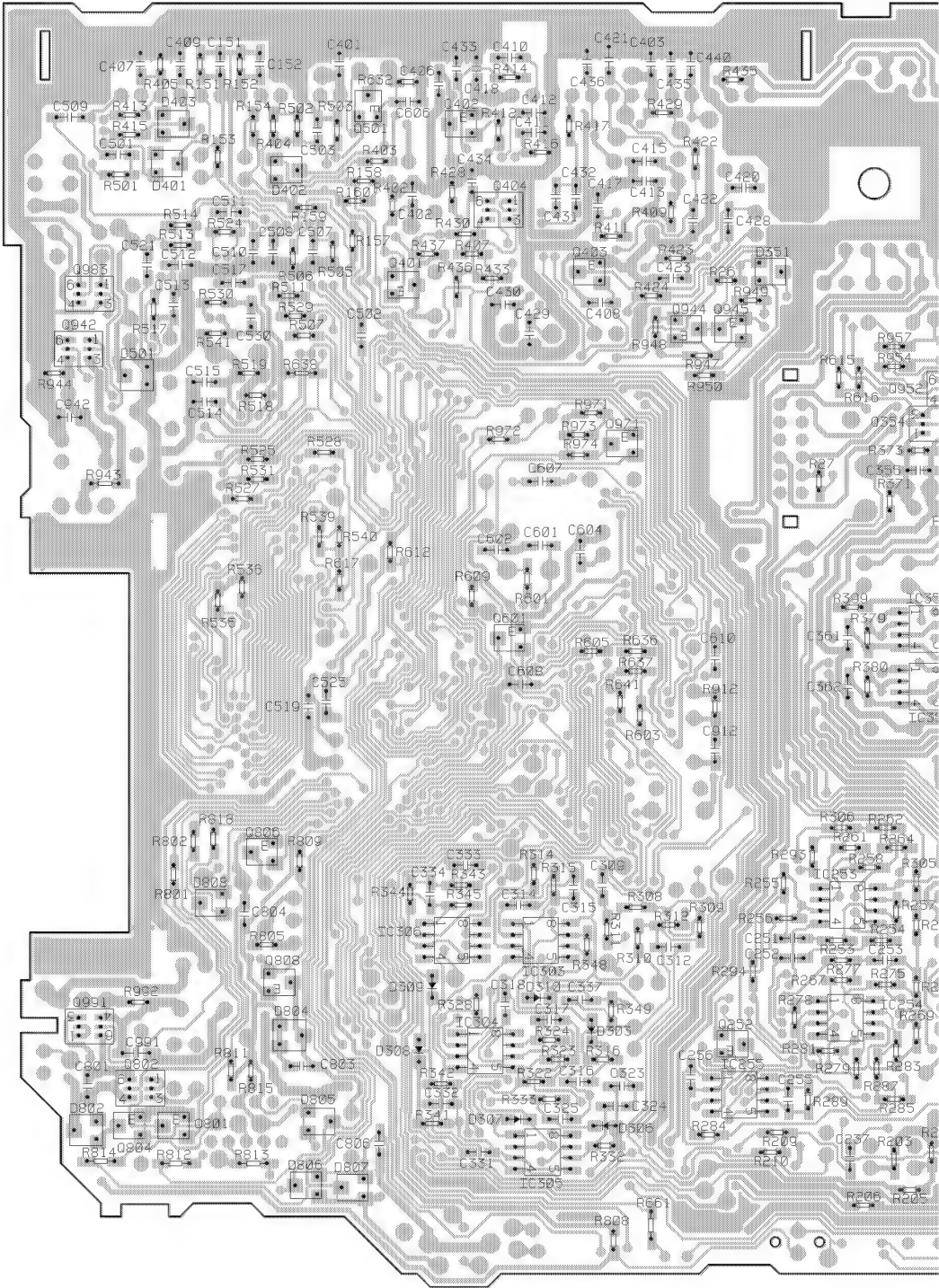
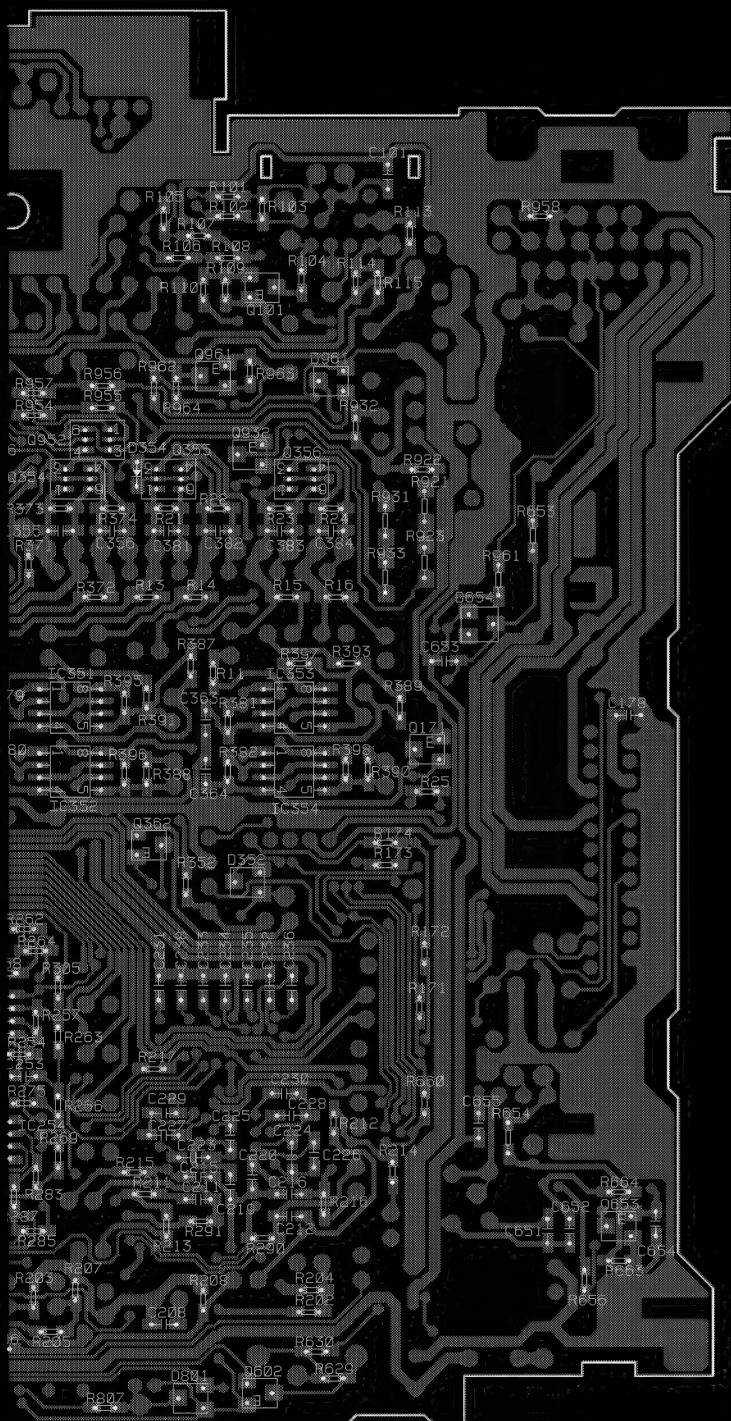


Fig. 12

A



SIDE B



IC.0
Q402
Q501
Q404
Q403
Q983 Q401 Q101
Q944 Q945
Q942 Q961
Q932
Q952 Q355
Q356
Q971 Q354
IC351 IC353
Q601
Q171
IC352 IC354
Q362
Q806
IC253
IC306
Q808 IC303
Q991 IC254
IC304 Q252
Q802 IC255 Q653
Q801
Q804
IC305
Q602

Fig. 13

4.2 CD MECHANISM MODULE

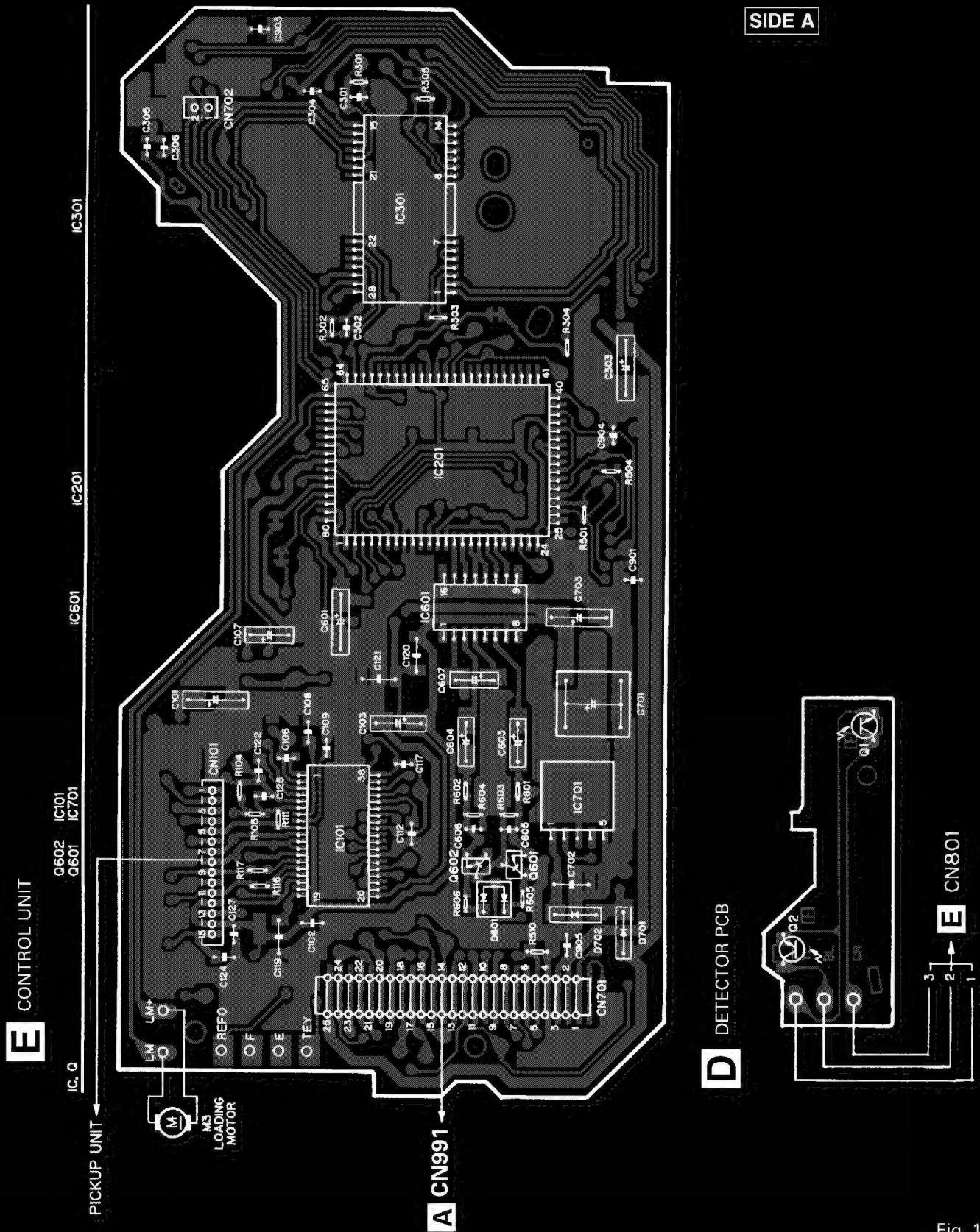
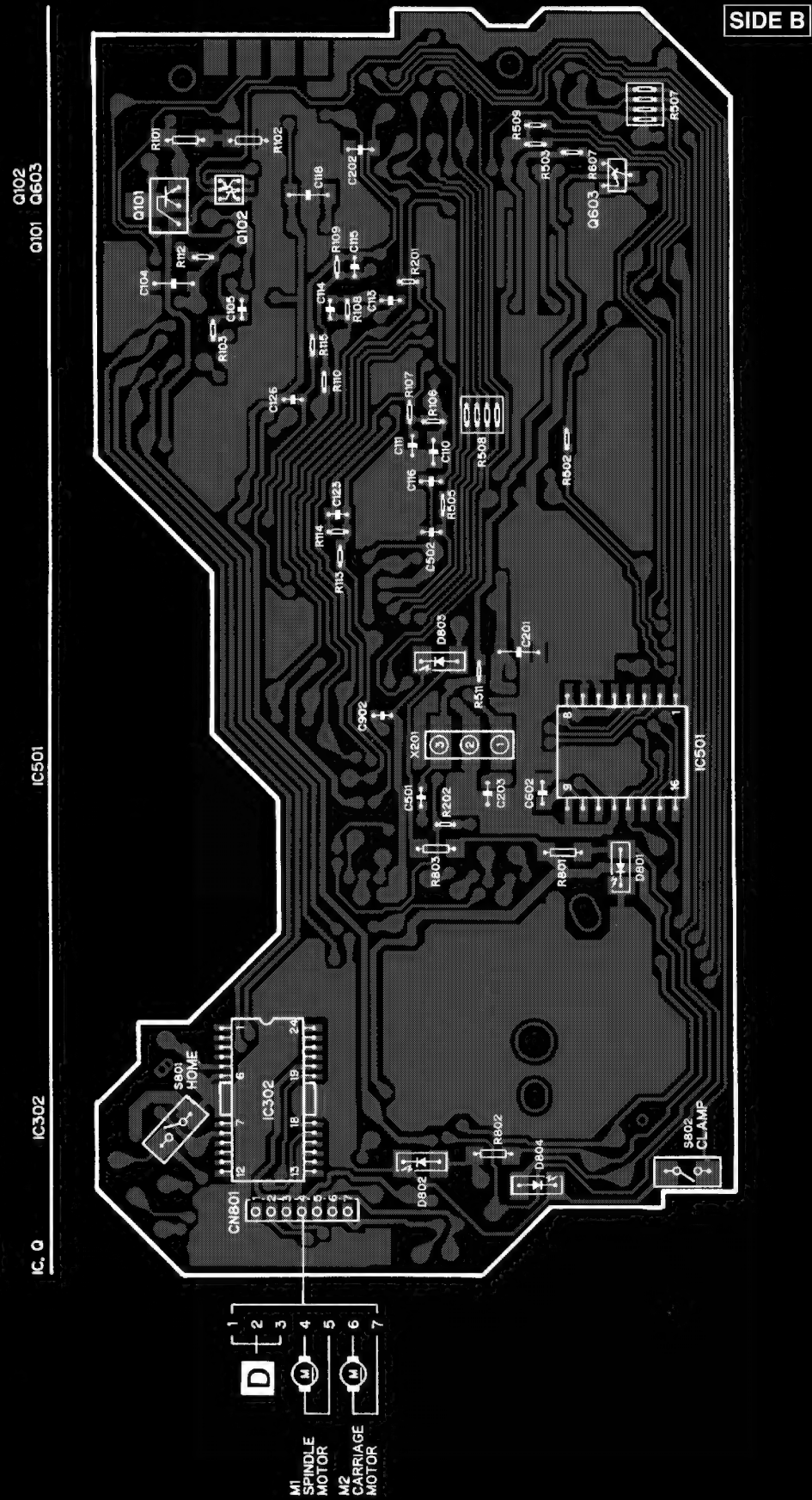


Fig. 14

E CONTROL UNIT



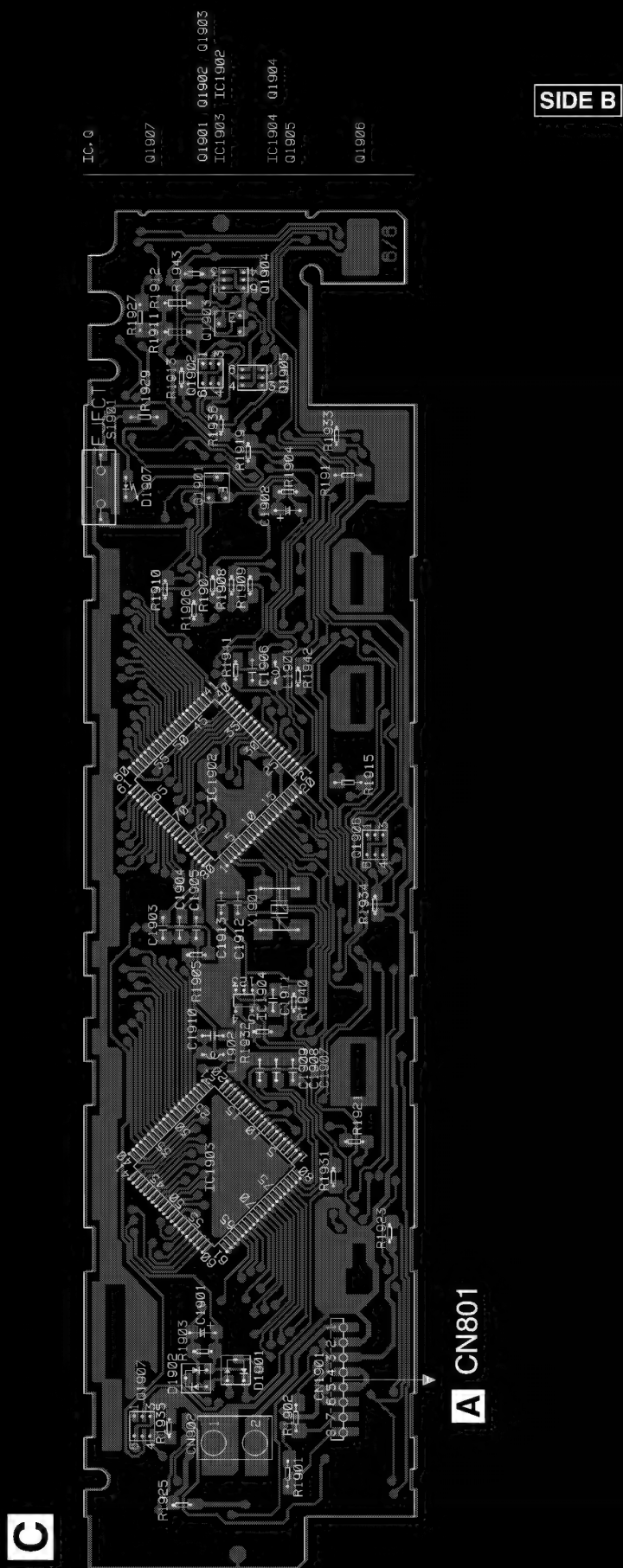


Fig. 17

4.4 KEYBOARD PCB(DEH-P735R/EW)

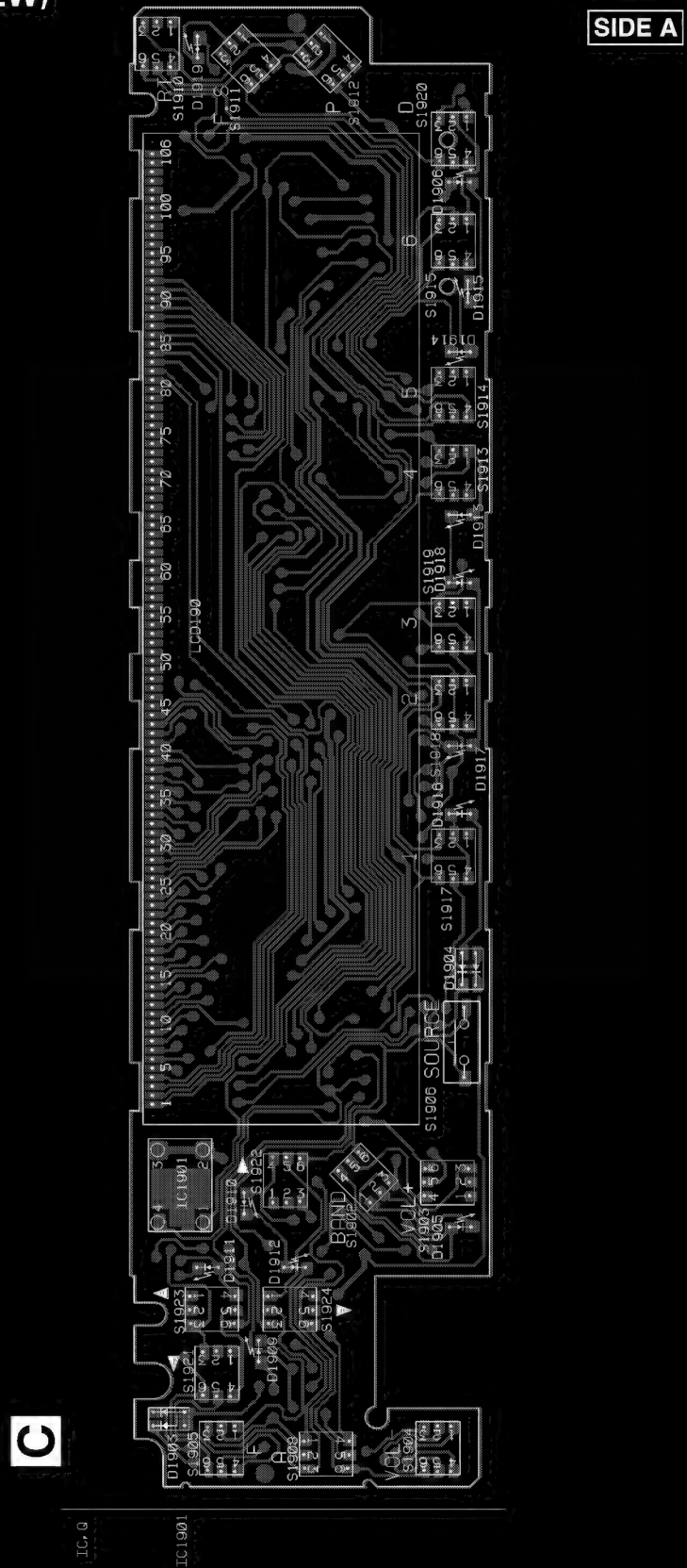


Fig. 18

4.5 SWITCH PCB

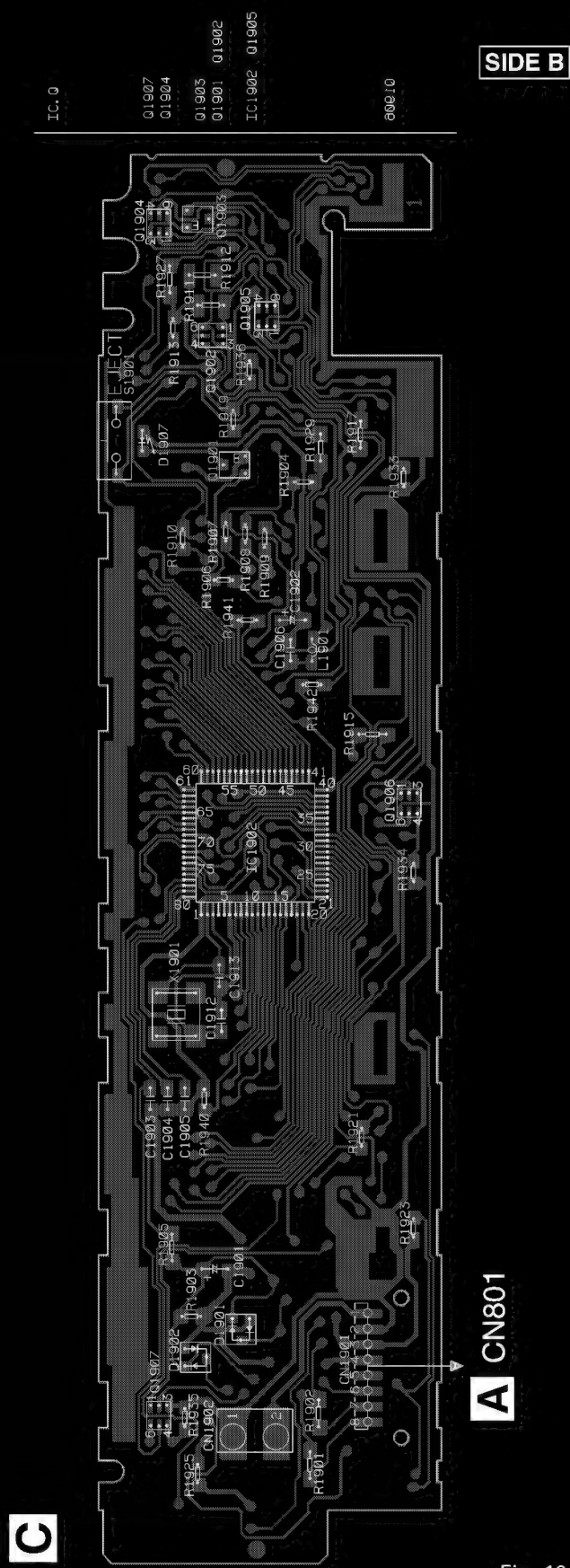
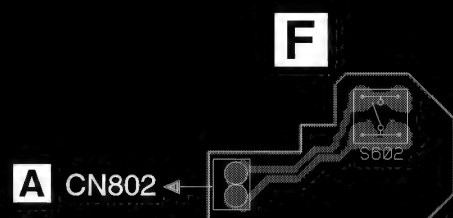
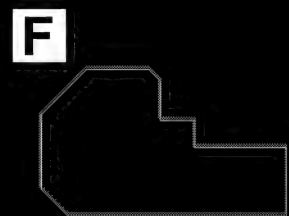


Fig. 19



4.6 FM/AM TUNER UNIT

SIDE A

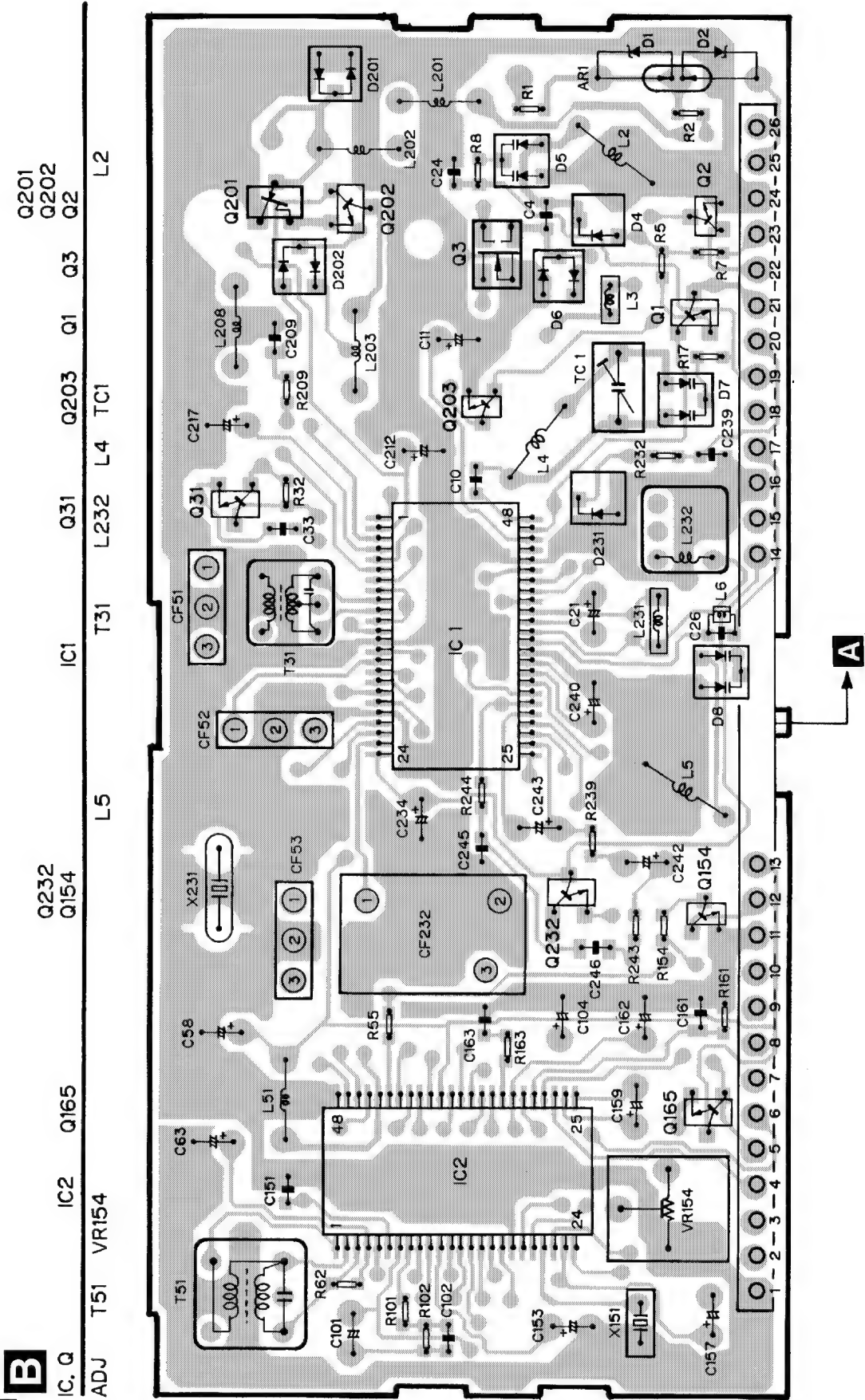


Fig. 20

SIDE B

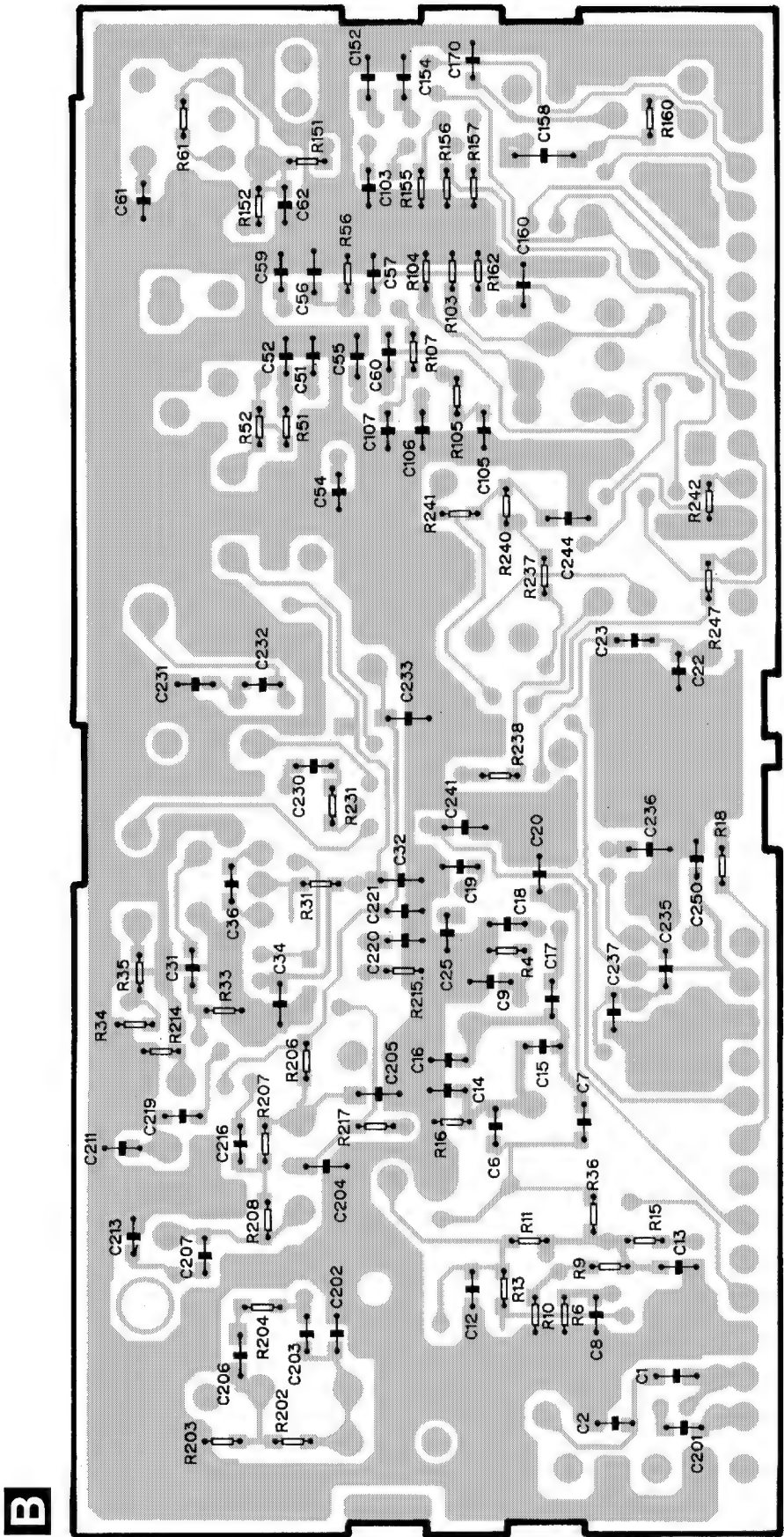


Fig. 21

5. ELECTRICAL PARTS LIST

NOTE:

- Parts whose parts numbers are omitted are subject to being not supplied.
- The part numbers shown below indicate chip components.

Chip Resistor
RS1/OSOOOJ,RS1/OOSOOOJ
Chip Capacitor (except for CQS.....)
CKS....., CCS....., CSZS.....

====Circuit Symbol & No.===Part Name	Part No.	====Circuit Symbol & No.===Part Name	Part No.
<div><div>B</div><div>Unit Number : CWE1416 Unit Name : FM/AM Tuner Unit</div></div>			
MISCELLANEOUS			
IC 1 IC	PA4023B	R 8	RS1/16S332J
IC 2 IC	PA4024A	R 9	RS1/16S473J
Q 1 Transistor	2SC2412KLN	R 10	RS1/16S223J
Q 2 Transistor	DTC124EU	R 11	RS1/16S124J
Q 3 FET	3SK263	R 13	RS1/16S563J
Q 31 Transistor	2SC2412KLN	R 15	RS1/16S271J
Q 154 Transistor	DTC124EU	R 16	RS1/16S104J
Q 165 Transistor	2SC2412KLN	R 17	RS1/16S332J
Q 201 FET	2SK932	R 18	RS1/16S332J
Q 202 Transistor	2SC2412KLN	R 31	RS1/16S470J
Q 203 Transistor	DTC124EU	R 32	RS1/16S822J
D 4 Diode	1SV250	R 33	RS1/16S822J
D 5 Diode	KV1410-F1	R 34	RS1/16S331J
D 6 Diode	MA157	R 35	RS1/16S331J
D 7 Diode	KV1410-F1	R 51	RS1/16S271J
D 8 Diode	KV1410-F1	R 52	RS1/16S560J
D 201 Diode	MA157	R 55	RS1/16S102J
D 202 Diode	MA157	R 56	RS1/16S823J
D 231 Diode	SVC253	R 61	RS1/16S392J
L 2 Coil	CTC1108	R 62	RS1/16S393J
L 3 Inductor	LCTB2R2K2125	R 101	RS1/16S272J
L 4 Coil	CTC1108	R 102	RS1/16S682J
L 5 Coil	CTC1107	R 103	RS1/16S333J
L 6 Inductor	LCTBR15K1608	R 104	RS1/16S334J
L 51 Ferri-Inductor	LAU150K	R 105	RS1/16S683J
L 201 Ferri-Inductor	LAU4R7K	R 107	RS1/16S222J
L 202 Ferri-Inductor	LAU330K	R 151	RS1/16S222J
L 203 Inductor	CTF1287	R 152	RS1/16S393J
L 208 Inductor	LAU121K	R 154	RS1/16S104J
L 231 Inductor	LCTA3R3J3225	R 155	RS1/16S273J
T 31 Coil	CTE1116	R 156	RS1/16S243J
T 51 Coil	CTC1136	R 157	RS1/16S203J
TC 1	CCL1038	R 160	RS1/16S222J
CF 51 Ceramic Filter	CTF1292	R 161	RS1/16S563J
CF 52 Ceramic Filter	CTF1292	R 162	RS1/16S105J
CF 53 Ceramic Filter	CTF1292	R 163	RS1/16S222J
CF 232 Ceramic Filter	CTF1348	R 202	RS1/16S223J
X 151 Resonator 920.5kHz	CSS1365	R 203	RS1/16S225J
X 231 Crystal Resonator 10.26MHz	CSS1111	R 204	RS1/16S103J
VR 154 Semi-fixed 150kΩ(B)	CCP1213	R 206	RS1/16S220J
AR 1	DSP-201M	R 207	RS1/16S101J
		R 208	RS1/16S102J
		R 209	RS1/16S471J
		R 214	RS1/16S822J
		R 215	RS1/16S822J
RESISTORS		R 217	RS1/16S102J
R 1	RS1/16S0R0J	R 231	RS1/16S272J
R 4	RS1/16S154J	R 232	RS1/16S473J
R 5	RS1/16S391J	R 237	RS1/16S103J
R 6	RS1/16S223J	R 238	RS1/16S104J
R 7	RS1/16S123J		

====Circuit Symbol & No.==Part Name

Part No.

====Circuit Symbol & No.==Part Name

Part No.

R 239
R 240
R 241
R 243
R 244

RS1/16S104J
RS1/16S332J
RS1/16S202J
RS1/16S123J
RS1/16S103J

C 205
C 206
C 207
C 209
C 211

CKSQYB473K16
CKSQYB104K16
CCSRCH560J50
CKSQYB104K16
CCSRCH101J50

R 247

RS1/16S123J

C 212
C 213
C 216
C 217
C 219

CEJA470M6R3
CKSRYB103K25
CCSRCH101J50
CEJA1R5M50
CCSRCH471J50

CAPACITORS

C 1
C 2
C 4
C 6
C 8

CCSQCH6R0D50
CCSRCK2R0C50
CCSRCH820J50
CCSRCH820J50
CKSRYB103K25

C 220
C 230
C 231
C 232
C 233

CKSRYB103K25
CKSRYB103K25
CCSRCH330J50
CCSRCH150J50
CKSQYB104K16

C 9
C 10
C 11
C 12
C 13

CKSQYB104K16
CCSRCKR50C50
CEJA1R0M50
CKSRYB222K50
CKSRYB222K50

C 234
C 235
C 236
C 237
C 239

CEJA330M10
CKSRYB332K50
CKSQYB473K16
CCSRCH120J50
CKSRYB472K50

C 14
C 16
C 17
C 18
C 19

CCSRCH220J50
CCSRCH8R0D50
CKSRYB222K50
CKSRYB103K25
CKSRYB222K50

C 240
C 241
C 242
C 243
C 244

CEJAR47M50
CKSQYB104K16
CEJAR47M50
CEJAR33M50
CKSQYB473K16

C 20
C 21
C 22
C 23
C 24

CKSRYB222K50
CEJA100M16
CCSRTH9R0D50
CCSRTH120J50
CCSRCH471J50

C 245
C 246
C 250

CKSRYB123K25
CKSQYB473K16
CCSRCH471J50

C 25
C 31
C 32
C 33
C 34

CKSRYB103K25
CKSRYB103K25
CKSQYB472K50
CCSRCH5R0C50
CKSQYB104K16



Unit Number : CWM5048
Unit Name : Tuner Amp Unit(DEH-P835R/EW)

MISCELLANEOUS

IC 101 IC
IC 102 IC
IC 171 IC
IC 201 IC
IC 251 IC

TA2050S
CA0008AM
TDA7386
PM0008BF
TC4066BF

C 36
C 51
C 52
C 54
C 55

CCSRRH201J50
CKSRYB223K25
CKSRYB103K25
CCSRCH470J50
CKSQYB223K25

IC 252 IC
IC 253 IC
IC 254 IC
IC 255 IC
IC 302 IC

NJM4558MD
NJM4558MD
NJM4558MD
NJM4558MD
NJM4558MD

C 56
C 57
C 58
C 59
C 61

CKSQYB104K16
CKSRYB472K50
CEJA330M10
CKSRYB103K25
CCSRCH270J50

IC 303 IC
IC 304 IC
IC 305 IC
IC 306 IC
IC 307 IC

NJM4558MD
NJM4558MD
NJM4558MD
NJM4558MD
TC4051BF

C 62
C 63
C 101
C 102
C 103

CKSRYB103K25
CEJAR15M50
CEJANP100M10
CKSRYB182K50
CKSRYB682K25

IC 351 IC
IC 352 IC
IC 353 IC
IC 354 IC
IC 401 IC

NJM4558MD
NJM4558MD
NJM4558MD
NJM4558MD
PM2005B

C 104
C 105
C 106
C 107
C 151

CEJA2R2M50
CKSRYB103K25
CCSRCH151J50
CKSRYB103K25
CKSRYB472K50

IC 503 IC
IC 504 IC
IC 601 IC
IC 971 IC
Q 101 Chip Transistor

NJM2903M
PMW001B
PD4771A
S-80730ANDT
2SA1162

C 152
C 153
C 154
C 157
C 158

CKSQYB104K16
CEJA3R3M50
CKSQYB104K16
CEJA3R3M50
CKSYB474K16

Q 102 Transistor
Q 151 Transistor
Q 152 Transistor
Q 153 Transistor
Q 154 Transistor

DTC124EK
2SD1757K
2SD1757K
IMH3A
DTA114EK

C 159
C 160
C 161
C 162
C 163

CEJA220M6R3
CKSQYB104K16
CKSQYB104K16
CEJA3R3M50
CKSRYB102K50

Q 171 Transistor
Q 251 Transistor
Q 252 Transistor
Q 354 Transistor
Q 355 Transistor

DTC124EK
DTC124EK
DTC124EK
IMH3A
IMH3A

C 170
C 201
C 202
C 203
C 204

CCSRCH100D50
CCSRCH471J50
CCSRCH100D50
CKSRYB332K50
CKSQYB473K16

DEH-P835R,P735R

====Circuit Symbol & No.==Part Name	Part No.	====Circuit Symbol & No.==Part Name	Part No.
Q 356 Transistor	IMH3A	D 804 Diode	MA3062(M)
Q 357 Transistor	2SC2712	D 805 Diode	DA204K
Q 358 Transistor	2SC2712	D 806 Diode	DA204K
Q 359 Transistor	2SC2712	D 807 Diode	DA204K
Q 360 Transistor	2SC2712	D 808 Chip Diode	MA151WK
Q 361 Transistor	IMD2A	D 901 Diode	ERA15-02VH
Q 401 Transistor	2SC2712	D 902 Diode	ERA15-02VH
Q 402 Transistor	2SC2712	D 911 Diode	ERA15-02VH
Q 403 Transistor	DTC124EK	D 912 Diode	HZS6L(B1)
Q 404 Transistor	IMD2A	D 921 Diode	ERA15-02VH
Q 501 Transistor	2SC2712	D 922 Diode	ERA15-02VH
Q 601 Transistor	DTA114EK	D 931 Diode	ERA15-02VH
Q 602 Transistor	DTC114EK	D 932 Diode	ERA15-02VH
Q 651 Transistor	IMD2A	D 941 Diode	HZS9L(B3)
Q 652 Transistor	DTC123EK	D 942 Diode	MA3082(L)
Q 653 Transistor	DTC123EK	D 951 Diode	ERA15-02VH
Q 654 Transistor	DTC123EK	D 952 Diode	HZS7L(C3)
Q 801 Transistor	2SC2712	D 953 Diode	HZS7L(A1)
Q 802 Transistor	IMD2A	D 961 Chip Diode	MA151WK
Q 803 Transistor	2SD1760F5	D 971 Chip Diode	MA151K
Q 804 Transistor	DTC114EK	D 991 Diode	HZS9L(B1)
Q 805 Transistor	2SB1238	L 101 Inductor	LAU3R3K
Q 806 Transistor	DTC143EK	L 351 Inductor	LCTBR47K2125
Q 807 Transistor	2SC3295	L 352 Inductor	LCTBR47K2125
Q 808 Chip Transistor	2SA1162	L 353 Inductor	LCTBR47K2125
Q 911 Transistor	2SD1760F5	L 354 Inductor	LCTBR47K2125
Q 921 Transistor	2SB1243	L 402 Ferri-Inductor	LAU2R2K
Q 931 Transistor	2SB1243	L 403 Ferri-Inductor	LAU2R2K
Q 932 Transistor	DTC124EK	L 501 Ferri-Inductor	LAU2R2K
Q 941 Transistor	2SD2396	L 602 Ferri-Inductor	LAU2R2K
Q 942 Transistor	IMD2A	L 603 Inductor	LAU100K
Q 944 Transistor	2SC2712	L 662 Ferri-Inductor	LAU220K
Q 945 Transistor	2SC2712	L 961 Ferri-Inductor	LAU2R2K
Q 951 Transistor	DTC114EK	TH 601 Thermistor	CCX1031
Q 952 Transistor	IMX1	X 401 Crystal Resonator 7.200MHz	CSS1379
Q 961 Chip Transistor	2SA1162	X 501 Crystal Resonator 4.332MHz	CSS1056
Q 971 Transistor	DTA144TK	X 601 Resonator 12.58291MHz	CSS1402
Q 981 Transistor	2SA1674	S 971 Switch(RESET)	CSG1046
Q 982 Transistor	2SA1674	SW 351 Switch(PRE OUT/MAIN IN)	CSH1009
Q 983 Transistor	IMH1A	IL 801 Lamp 14V 40mA	CEL1263
Q 991 Transistor	IMD2A	VR 501 Semi-fixed 22kΩ(B)	CCP1129
Q 992 Transistor	2SD2396	FU 801 0.4A	ICP-N10
D 301 Diode	MA110	BZ 601 FM/AM Tuner Unit	CWE1416
D 302 Diode	MA110	BZ 601 Buzzer	CPV1011
D 303 Diode	MA110		
D 304 Diode	MA110	RESISTORS	
D 305 Diode	MA110	R 11	RS1/10S393J
D 306 Diode	MA110	R 12	RS1/10S393J
D 307 Diode	MA110	R 13	RS1/10S821J
D 308 Diode	MA110	R 14	RS1/10S821J
		R 15	RS1/10S821J
D 309 Diode	MA110		
D 310 Diode	MA110	R 16	RS1/10S821J
D 351 Chip Diode	MA151WK	R 21	RS1/10S473J
D 353 Diode	HZS7L(B3)	R 22	RS1/10S473J
D 354 Diode	MA110	R 23	RS1/10S473J
		R 24	RS1/10S473J
D 402 Chip Diode	MA151WK		
D 403 Chip Diode	MA151WK	R 25	RS1/10S102J
D 501 Diode	MA3047(M)	R 26	RS1/10S473J
D 653 LED	BR4361F	R 28	RS1/10S0R0J
D 654 Diode	MA3160(H)	R 101	RS1/10S101J
		R 102	RS1/10S101J
D 655 Diode	MA3160(H)		
D 656 Diode	MA3160(H)	R 103	RS1/10S620J
D 801 Diode	DA204K	R 104	RS1/10S222J
D 802 Diode	MA3047(M)	R 105	RS1/10S102J
D 803 Diode	MA3082(L)	R 106	RS1/10S102J
		R 107	RS1/10S473J

====Circuit Symbol & No.====Part Name	Part No.	====Circuit Symbol & No.====Part Name	Part No.
R 108	RS1/10S473J	R 275	RS1/10S2002F
R 109	RS1/10S332J	R 276	RS1/10S4322F
R 110	RS1/10S562J	R 277	RS1/10S4322F
R 111	RS1/10S472J	R 278	RS1/10S2212F
R 112	RS1/10S103J	R 279	RS1/10S2742F
R 113	RS1/10S181J	R 280	RS1/10S333J
R 114	RS1/10S223J	R 281	RS1/10S2002F
R 115	RS1/10S102J	R 282	RS1/10S473J
R 116	RS1/10S102J	R 283	RS1/10S2212F
R 117	RS1/10S223J	R 284	RS1/10S473J
R 118	RS1/10S181J	R 285	RS1/10S473J
R 151	RS1/10S272J	R 287	RS1/10S3322F
R 152	RS1/10S272J	R 289	RS1/10S473J
R 155	RS1/10S224J	R 301	RS1/10S223J
R 156	RS1/10S224J	R 302	RS1/10S223J
R 157	RS1/10S222J	R 303	RA3C102J
R 158	RS1/10S222J	R 307	RS1/10S473J
R 159	RS1/10S223J	R 308	RS1/10S123J
R 160	RS1/10S223J	R 309	RS1/10S102J
R 171	RS1/10S103J	R 310	RS1/10S102J
R 172	RS1/10S331J	R 311	RS1/10S222J
R 173	RS1/10S103J	R 312	RS1/10S473J
R 174	RS1/10S103J	R 313	RS1/10S333J
R 201	RS1/10S102J	R 314	RS1/10S132J
R 202	RS1/10S102J	R 315	RS1/10S134J
R 203	RS1/10S332J	R 316	RS1/10S225J
R 204	RS1/10S332J	R 322	RS1/10S393J
R 205	RS1/10S102J	R 323	RS1/10S162J
R 206	RS1/10S102J	R 324	RS1/10S164J
R 207	RS1/10S103J	R 325	RS1/10S225J
R 208	RS1/10S103J	R 326	RS1/10S225J
R 209	RS1/10S102J	R 327	RS1/10S273J
R 210	RS1/10S103J	R 328	RS1/10S112J
R 211	RS1/10S272J	R 329	RS1/10S114J
R 212	RS1/10S272J	R 330	RS1/10S363J
R 213	RS1/10S151J	R 331	RS1/10S152J
R 214	RS1/10S151J	R 332	RS1/10S154J
R 215	RS1/10S101J	R 333	RS1/10S225J
R 216	RS1/10S101J	R 334	RS1/10S225J
R 217	RS1/10S472J	R 335	RS1/10S433J
R 218	RA3C472J	R 336	RS1/10S182J
R 251	RS1/10S472J	R 337	RS1/10S184J
R 252	RS1/10S472J	R 338	RS1/10S623J
R 253	RS1/10S3322F	R 339	RS1/10S272J
R 254	RS1/10S3322F	R 340	RS1/10S224J
R 255	RS1/10S3322F	R 341	RS1/10S225J
R 256	RS1/10S3322F	R 342	RS1/10S225J
R 257	RS1/10S6812F	R 343	RS1/10S1213F
R 258	RS1/10S6812F	R 344	RS1/10S512J
R 259	RS1/10S1652F	R 345	RS1/10S474J
R 260	RS1/10S3322F	R 347	RS1/10S122J
R 261	RS1/10S3322F	R 348	RS1/10S1213F
R 262	RS1/10S471J	R 349	RS1/10S225J
R 263	RS1/10S331J	R 350	RS1/10S303J
R 264	RS1/10S472J	R 351	RS1/10S270J
R 265	RS1/10S561J	R 371	RS1/10S821J
R 266	RS1/10S152J	R 372	RS1/10S821J
R 267	RS1/10S362J	R 373	RS1/10S223J
R 268	RS1/10S8252F	R 374	RS1/10S223J
R 269	RS1/10S1213F	R 375	RS1/10S222J
R 270	RS1/10S1213F	R 376	RS1/10S222J
R 271	RS1/10S8252F	R 377	RS1/10S222J
R 272	RS1/10S1003F	R 378	RS1/10S222J
R 273	RS1/10S1003F	R 379	RS1/10S392J
R 274	RS1/10S2002F	R 380	RS1/10S392J

DEH-P835R,P735R

====Circuit Symbol & No.==Part Name	Part No.	====Circuit Symbol & No.==Part Name	Part No.
R 381	RS1/10S392J	R 518	RS1/10S222J
R 382	RS1/10S392J	R 519	RS1/10S105J
R 383	RS1/10S393J	R 524	RS1/10S681J
R 384	RS1/10S393J	R 530	RS1/10S0R0J
R 385	RS1/10S393J	R 541	RS1/10S0R0J
R 386	RS1/10S393J	R 601	RS1/10S102J
R 387	RS1/10S334J	R 604	RS1/10S681J
R 388	RS1/10S334J	R 605	RS1/10S473J
R 389	RS1/10S334J	R 607	RS1/10S473J
R 390	RS1/10S334J	R 608	RS1/10S473J
R 391	RS1/10S473J	R 609	RS1/10S473J
R 392	RS1/10S473J	R 611	RA2CQ223J
R 393	RS1/10S473J	R 612	RS1/10S473J
R 394	RS1/10S473J	R 614	RS1/10S473J
R 395	RS1/10S334J	R 615	RS1/10S473J
R 396	RS1/10S334J	R 616	RS1/10S393J
R 397	RS1/10S334J	R 618	RA3C681J
R 398	RS1/10S334J	R 619	RS1/10S681J
R 399	RS1/10S393J	R 620	RS1/10S681J
R 400	RS1/10S393J	R 621	RA3C222J
R 401	RS1/10S472J	R 622	RS1/10S473J
R 402	RS1/10S224J	R 623	RN1/10SE2202D
R 403	RS1/10S103J	R 624	RA3C473J
R 405	RS1/10S105J	R 627	RS1/10S104J
R 407	RS1/10S562J	R 628	RS1/10S104J
R 409	RS1/10S681J	R 629	RS1/10S102J
R 410	RS1/10S682J	R 630	RS1/10S102J
R 411	RS1/10S472J	R 632	RS1/10S393J
R 412	RS1/10S222J	R 637	RS1/10S473J
R 413	RS1/10S222J	R 638	RS1/10S473J
R 414	RS1/10S102J	R 639	RS1/10S473J
R 416	RS1/10S473J	R 641	RS1/10S473J
R 417	RS1/10S0R0J	R 653	RS1/8S102J
R 418	RS1/10S102J	R 654	RS1/8S102J
R 419	RS1/10S682J	R 655	RS1/8S102J
R 420	RS1/10S472J	R 657	RS1/10S103J
R 421	RS1/10S561J	R 658	RS1/10S473J
R 422	RS1/10S103J	R 659	RS1/10S473J
R 423	RS1/10S222J	R 660	RS1/10S473J
R 424	RS1/10S152J	R 661	RS1/8S331J
R 425	RS1/10S392J	R 662	RS1/10S163J
R 426	RS1/10S392J	R 663	RS1/10S163J
R 427	RS1/10S272J	R 664	RS1/10S103J
R 428	RS1/10S0R0J	R 665	RS1/10S163J
R 429	RS1/10S222J	R 801	RS1/10S103J
R 430	RS1/10S562J	R 802	RS1/10S224J
R 433	RS1/10S472J	R 803	RD1/4PU471J
R 435	RS1/10S0R0J	R 804	RS2PMF100J
R 436	RS1/10S473J	R 805	RS1/10S222J
R 437	RS1/10S473J	R 806	RD1/4PU102J
R 501	RS1/10S562J	R 807	RS1/10S104J
R 502	RS1/10S102J	R 808	RS1/10S1R0J
R 503	RS1/10S103J	R 809	RS1/10S472J
R 504	RD1/4PU151J	R 810	RS1/10S472J
R 505	RS1/10S3322F	R 811	RS1/10S104J
R 506	RS1/10S0R0J	R 812	RS1/8S222J
R 507	RS1/10S102J	R 813	RS1/8S222J
R 508	RA3C102J	R 814	RS1/8S222J
R 511	RS1/10S102J	R 818	RS1/10S224J
R 512	RS1/10S102J	R 819	RS2PMF330J
R 513	RS1/10S222J	R 912	RS1/10S332J
R 514	RS1/10S222J	R 921	RS1/4S221J
R 515	RS1/10S684J	R 922	RS1/10S472J
R 516	RS1/10S681J	R 923	RS1/4S221J
R 517	RS1/10S562J		

====Circuit Symbol & No.====Part Name	Part No.	====Circuit Symbol & No.====Part Name	Part No.
R 931	RS1/4S221J	C 207	CEJA470M10
R 932	RS1/10S472J	C 208	CKSQYB104K50
R 933	RS1/4S221J	C 209	CEJA100M16
R 941	RS1/10S1R0J	C 211	CKSQYB822K50
R 942	RD1/4PU221J	C 212	CKSQYB822K50
R 943	RS1/8S681J	C 213	CEJA1R0M50
R 947	RS1/10S473J	C 214	CEJA1R0M50
R 948	RS1/10S103J	C 215	CKSQYB152K50
R 949	RS1/10S473J	C 216	CKSQYB152K50
R 950	RS1/10S224J	C 217	CEJANP100M10
R 951	RS1/10S103J	C 218	CEJANP100M10
R 954	RS1/10S103J	C 219	CKSQYB183K25
R 955	RS1/10S473J	C 220	CKSQYB183K25
R 956	RS1/10S473J	C 221	CEJANP100M10
R 957	RS1/10S103J	C 222	CEJANP100M10
R 958	RS1/10S472J	C 223	CKSYB334K16
R 961	RS1/8S153J	C 224	CKSYB334K16
R 962	RS1/10S472J	C 225	CKSQYB103K50
R 963	RS1/10S472J	C 226	CKSQYB103K50
R 964	RS1/10S102J	C 227	CKSYB105K16
R 971	RS1/10S822J	C 228	CKSYB105K16
R 972	RS1/10S102J	C 229	CKSQYB823K25
R 974	RS1/10S471J	C 230	CKSQYB823K25
R 981	RS1/10S472J	C 231	CKSQYB333K25
R 982	RD1/4PU102J	C 232	CKSQYB333K25
R 983	RS1/10S472J	C 233	CKSQYB104K50
R 984	RD1/4PU102J	C 234	CKSQYB473K16
R 991	RD1/4PU221J	C 235	CKSQYB562K50
R 992	RS1/10S221J	C 236	CKSQYB104K50
R 993	RS1/10S222J	C 237	CKSQYB473K16
R 994	RS1/10S472J	C 238	CCSQCH470J50
R 995	RS1/10S681J	C 251	CKSQYB104K50
R 996	RA3C102J	C 252	CKSQYB104K50
		C 253	CKSQYB472K50
		C 254	CKSYB474K16
CAPACITORS			
C 101	CKSQYB104K50	C 255	CCSQCH180J50
C 102	CKSQYB104K50	C 256	CCSQCH180J50
C 103	CKSQYB102K50	C 301	CEJA100M16
C 104	CEJA100M16	C 309	CKSQYB102K50
C 105	CEJA1R0M50	C 310	CEJA100M16
C 106	CEJA1R0M50	C 311	CEJA470M10
C 107	CEJA100M16	C 312	CKSQYB103K50
C 108	CEJA1R0M50	C 314	CKSQYB152K50
C 109	CEJA1R0M50	C 315	CKSQYB152K50
C 151	CKSQYB223K25	C 316	CKSQYB104K50
C 152	CKSQYB223K25	C 317	CKSQYB332K50
C 153	CEJA1R0M50	C 318	CKSQYB332K50
C 154	CEJA1R0M50	C 319	CKSQYB104K50
C 171	CKSYB224K16	C 320	CKSQYB104K50
C 172	CKSYB224K16	C 321	CKSQYB123K25
C 173	CKSYB224K16	C 322	CKSQYB123K25
C 174	CKSYB224K16	C 323	CKSQYB223K25
C 175	CEJA330M16	C 324	CKSQYB223K25
C 176	CEJA1R0M50	C 325	CKSQYB104K50
C 177	CCH1125	C 326	CKSQYB104K50
C 178	CKSQYB104K50	C 327	CKSQYB473K16
C 179	CEHAR100M16	C 328	CKSQYB473K16
C 180	CEHAS1R0M50	C 329	CKSQYB823K25
C 181	CKSQYB102K50	C 330	CKSQYB823K25
C 201	CEJA1R0M50	C 331	CKSQYB104K50
C 202	CEJA1R0M50	C 332	CKSQYB104K50
C 203	CEJA1R0M50	C 333	CKSQYB823K25
C 204	CEJA1R0M50	C 334	CKSQYB823K25
C 205	CEJA1R0M50	C 335	CKSQYB821K50
C 206	CEJA1R0M50	C 336	CKSQYB821K50

====Circuit Symbol & No.====Part Name	Part No.	====Circuit Symbol & No.====Part Name	Part No.
C 337	CKSQYB104K50	C 501	CKSQYB104K50
C 351	CEJA101M10	C 502	CKSQYB223K25
C 353	CEJA100M16	C 503	CKSQYB223K25
C 354	CEJA100M16	C 504	CCSQCH101J50
C 357	CEJA100M16	C 505	CEJA100M16
C 358	CEJA100M16	C 506	CKSQYB104K50
C 359	CEJA100M16	C 507	CKSQYB222K50
C 360	CEJA100M16	C 508	CKSQYB104K50
C 361	CKSQYB103K50	C 509	CKSYB105K16
C 362	CKSQYB103K50	C 510	CKSQYB104K50
C 363	CKSQYB103K50	C 511	CKSQYB472K50
C 364	CKSQYB103K50	C 512	CKSQYB103K50
C 365	CCSQCH560J50	C 513	CKSQYB102K50
C 366	CCSQCH560J50	C 514	CCSQCH270J50
C 367	CCSQCH560J50	C 515	CCSQCH270J50
C 368	CCSQCH560J50	C 517	CCSQCH101J50
C 369	CEJA4R7M35	C 601	CCSQCH180J50
C 370	CEJA4R7M35	C 602	CCSQCH180J50
C 371	CEJA4R7M35	C 603	CEJA101M10
C 372	CEJA4R7M35	C 604	CCSQCH101J50
C 373	CEJA4R7M35	C 606	CCSQCH101J50
C 374	CEJA4R7M35	C 607	CKSQYB102K50
C 375	CEJA4R7M35	C 608	CCSQCH101J50
C 376	CEJA4R7M35	C 610	CCSQCH101J50
C 377	CEJA1R0M50	C 653	CKSQYB103K50
C 378	CEJA1R0M50	C 654	CKSQYB103K50
C 379	CEJA1R0M50	C 655	CKSQYB103K50
C 380	CEJA1R0M50	C 801	CKSQYB103K50
C 401	CKSQYB103K50	C 802	220μF/10V
C 402	CKSQYB223K25	C 803	CCH1014
C 403	CKSQYB103K50	C 804	CCSQCH101J50
C 405	CEJA220M10	C 805	220μF/10V
C 406	CKSQYB103K50	C 806	CCH1014
C 407	CKSQYB471K50	C 912	CCSQCH101J50
C 408	CCSQCH101J50	C 913	CKSQYB472K50
C 409	CKSQYB223K25	C 941	CEJA470M10
C 410	CKSQYB103K50	C 942	CEAS331M10
C 411	CKSQYB472K50	C 943	CKSQYB103K50
C 412	CKSQYB103K50	C 951	CEJA101M16
C 413	CKSQYB103K50	C 971	CKSYF105Z25
C 414	CEJA220M10	C 972	CCL1037
C 415	CKSQYB103K50	C 991	CEJA2R2M50
C 416	CEJA220M6R3	C 992	CKSQYB473K16
C 417	CKSQYB103K50	C 993	CKSQYB102K50
C 418	CKSQYB103K50		CEJA101M10
C 419	4.7μF/16V		
C 420	CCH1250		
C 421	CKSQYB103K50		
C 422	CKLSR473K16		
C 423	CKSQYB332K50		
C 424	4.7μF/16V		
C 425	CCH1250		
C 427	CKSQYB103K50		
C 428	CEJAR47M50		
C 429	CKSQYB103K50		
C 430	CCSQCH150J50		
C 431	CKSQYB103K50		
C 432	CKSQYB103K50		
C 433	CCSQCH101J50		
C 434	CKSQYB103K50		
C 435	CKSQYB223K25		
C 436	CKSQYB103K50		
C 437	CKSQYB102K50		
C 438	CEJA220M6R3		
C 440	CKSQYB223K25		

E

Unit Number : CWX1889
Unit Name : Control Unit

MISCELLANEOUS

IC 101	IC	UPC2572GS
IC 201	IC	UPD63702GF
IC 301	IC	XLA6997FP
IC 302	IC	BA6285FP
IC 601	IC	TA2063F
IC 701	IC	PQ05TZ51
Q 101	Transistor	2SD1664
Q 102	Transistor	UMD2N
Q 601	Transistor	2SD1781K
Q 602	Transistor	2SD1781K
Q 603	Transistor	2SB709A
D 601	Diode	MA151WA
D 701	Diode	1SR154-400
D 702	Diode	1SR154-400
D 801		CL200IRX
D 802		CL200IRX
X 201	Ceramic Resonator 16.93MHz	CSS1363
S 801	Switch(HOME)	CSN1028
S 802	Switch(CLAMP)	

====Circuit Symbol & No.==Part Name

Part No.

RESISTORS

R	101	RS1/8S100J
R	102	RS1/8S120J
R	103	RS1/16S102J
R	104	RS1/16S822J
R	105	RS1/16S682J
R	106	RS1/16S183J
R	107	RS1/16S822J
R	108	RS1/16S333J
R	109	RS1/16S683J
R	110	RS1/16S134J
R	111	RS1/16S273J
R	112	RS1/16S222J
R	113	RS1/16S103J
R	114	RS1/16S103J
R	115	RS1/16S102J
R	116	RS1/16S163J
R	117	RS1/16S163J
R	201	RS1/16S104J
R	202	RS1/16S473J
R	304	RS1/16S0R0J
R	501	RS1/16S0R0J
R	505	RS1/16S102J
R	507	RA4C102J
R	508	RA4C681J
R	510	RS1/10S0R0J
R	601	RS1/16S102J
R	602	RS1/16S102J
R	603	RS1/16S223J
R	604	RS1/16S223J
R	605	RS1/16S162J
R	606	RS1/16S162J
R	607	RS1/16S103J
R	801	RS1/8S751J
R	802	RS1/8S751J

CAPACITORS

C	101	CEV101M6R3
C	102	CKSQYB104K16
C	103	CEV470M6R3
C	104	CKSYB334K16
C	105	CCSRCH330J50
C	106	CKSRYB103K25
C	107	CEV4R7M35
C	108	CKSQYB273K50
C	109	CCSRCH101J50
C	110	CKSQYB104K16
C	111	CKSRYB332K50
C	112	CKSQYB473K16
C	113	CKSRYB103K25
C	114	CKSRYB391K50
C	115	CCSRCH121J50
C	116	CKSRYB682K25
C	117	CKSRYB333K16
C	118	CKSYB334K16
C	119	CKSYB334K16
C	120	CKSYB334K16
C	121	CKSYB334K16
C	122	CKSQYB104K16
C	123	CKSRYB472K50
C	124	CKSQYB104K16
C	125	CCSRCH6R0D50
C	126	CKSRYB153K25
C	127	CCSRCH102J25
C	201	CKSYB334K16
C	202	CKSQYB104K16
C	203	CKSQYB104K16

====Circuit Symbol & No.==Part Name

Part No.

C	303	CEV470M16
C	304	CKSRYB103K25
C	305	CKSRYB103K25
C	306	CKSRYB103K25
C	502	CKSRYB471K50
C	601	CEV101M6R3
C	602	CKSQYB104K16
C	603	CEV4R7M35
C	604	CEV4R7M35
C	605	CKSRYB152K50
C	606	CKSRYB152K50
C	607	CEV220M6R3
C	701	CCH1233
C	702	CKSYB334K16
C	703	CEV101M6R3
C	901	CCSRCH471J50
C	902	CCSRCH271J50
C	903	CCSRCH471J50
C	904	CCSRCH101J50



Unit Number : CWM5053

Unit Name : Tuner Amp Unit(DEH-P735R/EW)

MISCELLANEOUS

IC	101	IC	TA2050S
IC	102	IC	CA0008AM
IC	171	IC	TDA7386
IC	201	IC	PM0008BF
IC	401	IC	PM2005B
IC	503	IC	NJM2903M
IC	504	IC	PMW001B
IC	601	IC	PD4771A
IC	971	IC	S-80730ANDT
Q	101	Chip Transistor	2SA1162
Q	102	Transistor	DTC124EK
Q	151	Transistor	2SD1757K
Q	152	Transistor	2SD1757K
Q	153	Transistor	IMH3A
Q	154	Transistor	DTA114EK
Q	171	Transistor	DTC124EK
Q	354	Transistor	IMH3A
Q	355	Transistor	IMH3A
Q	361	Transistor	IMD2A
Q	401	Transistor	2SC2712
Q	402	Transistor	2SC2712
Q	403	Transistor	DTC124EK
Q	404	Transistor	IMD2A
Q	501	Transistor	2SC2712
Q	601	Transistor	DTA114EK
Q	602	Transistor	DTC114EK
Q	651	Transistor	IMD2A
Q	652	Transistor	DTC143EK
Q	653	Transistor	DTC123EK
Q	654	Transistor	DTC123EK
Q	801	Transistor	2SC2712
Q	802	Transistor	IMD2A
Q	803	Transistor	2SD1760F5
Q	804	Transistor	DTC114EK
Q	805	Transistor	2SB1238
Q	806	Transistor	DTC143EK
Q	807	Transistor	2SC3295
Q	808	Chip Transistor	2SA1162
Q	911	Transistor	2SD1760F5
Q	921	Transistor	2SB1243
Q	931	Transistor	2SB1243
Q	932	Transistor	DTC124EK
Q	941	Transistor	2SD2396
Q	942	Transistor	IMD2A
Q	944	Transistor	2SC2712

DEH-P835R,P735R

====Circuit Symbol & No.==Part Name	Part No.	====Circuit Symbol & No.==Part Name	Part No.
Q 945 Transistor	2SC2712	R 22	RS1/10S473J
Q 951 Transistor	DTC114EK	R 25	RS1/10S102J
Q 952 Transistor	IMX1	R 26	RS1/10S473J
Q 961 Chip Transistor	2SA1162	R 101	RS1/10S101J
Q 971 Transistor	DTA144TK	R 102	RS1/10S101J
Q 981 Transistor	2SA1674	R 103	RS1/10S620J
Q 982 Transistor	2SA1674	R 104	RS1/10S222J
Q 983 Transistor	IMH1A	R 105	RS1/10S102J
Q 991 Transistor	IMD2A	R 106	RS1/10S102J
Q 992 Transistor	2SD2396	R 107	RS1/10S473J
D 351 Chip Diode	MA151WK	R 108	RS1/10S473J
D 354 Diode	MA110	R 109	RS1/10S332J
D 402 Chip Diode	MA151WK	R 110	RS1/10S562J
D 403 Chip Diode	MA151WK	R 111	RS1/10S472J
D 501 Diode	MA3047(M)	R 112	RS1/10S103J
D 653 LED	BR4361F	R 113	RS1/10S181J
D 654 Diode	MA3160(H)	R 114	RS1/10S223J
D 655 Diode	MA3160(H)	R 115	RS1/10S102J
D 656 Diode	MA3160(H)	R 116	RS1/10S102J
D 801 Diode	DA204K	R 117	RS1/10S223J
D 802 Diode	MA3047(M)	R 118	RS1/10S181J
D 803 Diode	MA3082(L)	R 151	RS1/10S272J
D 804 Diode	MA3062(M)	R 152	RS1/10S272J
D 805 Diode	DA204K	R 155	RS1/10S224J
D 806 Diode	DA204K	R 156	RS1/10S224J
D 807 Diode	DA204K	R 157	RS1/10S222J
D 808 Chip Diode	MA151WK	R 158	RS1/10S222J
D 901 Diode	ERA15-02VH	R 159	RS1/10S223J
D 902 Diode	ERA15-02VH	R 160	RS1/10S223J
D 911 Diode	ERA15-02VH	R 171	RS1/10S103J
D 912 Diode	HZS6L(B1)	R 172	RS1/10S331J
D 921 Diode	ERA15-02VH	R 173	RS1/10S103J
D 922 Diode	ERA15-02VH	R 174	RS1/10S103J
D 931 Diode	ERA15-02VH	R 201	RS1/10S102J
D 932 Diode	ERA15-02VH	R 202	RS1/10S102J
D 941 Diode	HZS9L(B3)	R 203	RS1/10S332J
D 942 Diode	MA3082(L)	R 204	RS1/10S332J
D 951 Diode	ERA15-02VH	R 205	RS1/10S102J
D 952 Diode	HZS7L(C3)	R 206	RS1/10S102J
D 953 Diode	HZS7L(A1)	R 207	RS1/10S103J
D 961 Chip Diode	MA151WK	R 208	RS1/10S103J
D 971 Chip Diode	MA151K	R 209	RS1/10S102J
D 991 Diode	HZS9L(B1)	R 210	RS1/10S103J
L 101 Inductor	LAU3R3K	R 211	RS1/10S272J
L 402 Ferri-Inductor	LAU2R2K	R 212	RS1/10S272J
L 403 Ferri-Inductor	LAU2R2K	R 213	RS1/10S151J
L 501 Ferri-Inductor	LAU2R2K	R 214	RS1/10S151J
L 602 Ferri-Inductor	LAU2R2K	R 215	RS1/10S101J
L 603 Inductor	LAU100K	R 216	RS1/10S101J
L 662 Ferri-Inductor	LAU220K	R 217	RS1/10S472J
L 961 Ferri-Inductor	LAU2R2K	R 218	RA3C472J
TH 601 Thermistor	CCX1031	R 290	RS1/10S0R0J
X 401 Crystal Resonator 7.200MHz	CSS1379	R 291	RS1/10S0R0J
X 501 Crystal Resonator 4.332MHz	CSS1056	R 308	RS1/10S123J
X 601 Resonator 12.58291MHz	CSS1402	R 371	RS1/10S821J
S 971 Switch(RESET)	CSG1046	R 372	RS1/10S821J
IL 801 Lamp 14V 40mA	CEL1263	R 373	RS1/10S223J
VR 501 Semi-fixed 22kΩ(B)	CCP1129	R 374	RS1/10S223J
FU 801 0.4A	ICP-N10	R 401	RS1/10S472J
	FM/AM Tuner Unit	R 402	RS1/10S224J
BZ 601 Buzzer	CPV1011	R 403	RS1/10S103J
		R 405	RS1/10S105J
RESISTORS		R 407	RS1/10S562J
		R 409	RS1/10S681J
R 13	RS1/10S821J	R 410	RS1/10S682J
R 14	RS1/10S821J		
R 17	RS1/10S0R0J		
R 18	RS1/10S0R0J		
R 21	RS1/10S473J		

====Circuit Symbol & No.===Part Name	Part No.	====Circuit Symbol & No.===Part Name	Part No.
R 411	RS1/10S472J	R 630	RS1/10S102J
R 412	RS1/10S222J	R 632	RS1/10S393J
R 413	RS1/10S222J	R 636	RS1/10S473J
R 414	RS1/10S102J	R 638	RS1/10S473J
R 416	RS1/10S473J	R 639	RS1/10S473J
R 417	RS1/10S0R0J	R 641	RS1/10S473J
R 418	RS1/10S102J	R 653	RS1/8S102J
R 419	RS1/10S682J	R 654	RS1/8S102J
R 420	RS1/10S472J	R 655	RS1/8S102J
R 421	RS1/10S561J	R 657	RS1/10S103J
R 422	RS1/10S103J	R 658	RS1/10S473J
R 423	RS1/10S222J	R 659	RS1/10S473J
R 424	RS1/10S152J	R 660	RS1/10S473J
R 425	RS1/10S392J	R 661	RS1/8S331J
R 426	RS1/10S392J	R 662	RS1/10S223J
R 427	RS1/10S272J	R 663	RS1/10S163J
R 428	RS1/10S0R0J	R 664	RS1/10S103J
R 429	RS1/10S222J	R 665	RS1/10S163J
R 430	RS1/10S562J	R 801	RS1/10S103J
R 433	RS1/10S472J	R 802	RS1/10S224J
R 435	RS1/10S0R0J	R 803	RD1/4PU471J
R 436	RS1/10S473J	R 804	RS2PMF100J
R 437	RS1/10S473J	R 805	RS1/10S222J
R 501	RS1/10S562J	R 806	RD1/4PU102J
R 502	RS1/10S102J	R 807	RS1/10S104J
R 503	RS1/10S103J	R 808	RS1/10S1R0J
R 504	RD1/4PU151J	R 809	RS1/10S472J
R 505	RS1/10S3322F	R 810	RS1/10S472J
R 506	RS1/10S0R0J	R 811	RS1/10S104J
R 507	RS1/10S102J	R 812	RS1/8S222J
R 508	RA3C102J	R 813	RS1/8S222J
R 511	RS1/10S102J	R 814	RS1/8S222J
R 512	RS1/10S102J	R 818	RS1/10S224J
R 513	RS1/10S222J	R 819	RS2PMF330J
R 514	RS1/10S222J	R 912	RS1/10S332J
R 515	RS1/10S684J	R 921	RS1/4S221J
R 516	RS1/10S681J	R 922	RS1/10S472J
R 517	RS1/10S562J	R 923	RS1/4S221J
R 518	RS1/10S222J	R 931	RS1/4S221J
R 519	RS1/10S105J	R 932	RS1/10S472J
R 524	RS1/10S681J	R 933	RS1/4S221J
R 530	RS1/10S0R0J	R 941	RS1/10S1R0J
R 541	RS1/10S0R0J	R 942	RD1/4PU221J
R 601	RS1/10S102J	R 943	RS1/8S681J
R 604	RS1/10S681J	R 947	RS1/10S473J
R 605	RS1/10S473J	R 948	RS1/10S103J
R 607	RS1/10S473J	R 949	RS1/10S473J
R 608	RS1/10S473J	R 950	RS1/10S224J
R 609	RS1/10S473J	R 951	RS1/10S103J
R 611	RA2CQ223J	R 954	RS1/10S103J
R 612	RS1/10S473J	R 955	RS1/10S473J
R 615	RS1/10S473J	R 956	RS1/10S473J
R 616	RS1/10S393J	R 957	RS1/10S103J
R 617	RS1/10S473J	R 958	RS1/10S472J
R 618	RA3C681J	R 961	RS1/8S153J
R 619	RS1/10S681J	R 962	RS1/10S472J
R 620	RS1/10S681J	R 963	RS1/10S472J
R 621	RA3C222J	R 964	RS1/10S102J
R 622	RS1/10S473J	R 971	RS1/10S822J
R 623	RN1/10SE2202D	R 972	RS1/10S102J
R 624	RA3C473J	R 974	RS1/10S471J
R 627	RS1/10S104J	R 981	RS1/10S472J
R 628	RS1/10S104J	R 982	RD1/4PU102J
R 629	RS1/10S102J	R 983	RS1/10S472J
		R 984	RD1/4PU102J

DEH-P835R,P735R

====Circuit Symbol & No.====Part Name	Part No.	====Circuit Symbol & No.====Part Name	Part No.
R 991	RD1/4PU221J	C 238	CCSQCH470J50
R 992	RS1/10S221J	C 353	CEJA100M16
R 993	RS1/10S222J	C 354	CEJA100M16
R 994	RS1/10S472J	C 373	CEJA4R7M35
R 995	RS1/10S681J	C 374	CEJA4R7M35
R 996	RA3C102J	C 401	CKSQYB103K50
CAPACITORS		C 402	CKSQYB223K25
C 101	CKSQYB104K50	C 403	CKSQYB103K50
C 102	CKSQYB104K50	C 405	CEJA220M10
C 103	CKSQYB102K50	C 406	CKSQYB103K50
C 104	CEJA100M16	C 407	CKSQYB471K50
C 105	CEJA1R0M50	C 408	CCSQCH101J50
C 106	CEJA1R0M50	C 409	CKSQYB223K25
C 107	CEJA100M16	C 410	CKSQYB103K50
C 108	CEJA1R0M50	C 411	CKSQYB472K50
C 109	CEJA1R0M50	C 412	CKSQYB103K50
C 151	CKSQYB223K25	C 413	CKSQYB103K50
C 152	CKSQYB223K25	C 414	CEJA220M10
C 153	CEJA1R0M50	C 415	CKSQYB103K50
C 154	CEJA1R0M50	C 416	CEJA220M6R3
C 171	CKSYB224K16	C 417	CKSQYB103K50
C 172	CKSYB224K16	C 418	CKSQYB103K50
C 173	CKSYB224K16	C 419	CCH1250
C 174	CKSYB224K16	C 420	CKSQYB103K50
C 175	CEJA330M16	C 421	CKLSR473K16
C 176	CEJA1R0M50	C 422	CKSQYB332K50
C 177	CCH1125	C 423	CKSQYB103K50
C 178	CKSQYB104K50	C 424	CCH1250
C 179	CEHAR100M16	C 425	CKSQYB103K50
C 180	CEHAS1R0M50	C 427	CEJAR47M50
C 181	CKSQYB102K50	C 428	CKSQYB103K50
C 201	CEJA1R0M50	C 429	CCSQCH150J50
C 202	CEJA1R0M50	C 430	CCSQCH150J50
C 203	CEJA1R0M50	C 431	CKSQYB103K50
C 204	CEJA1R0M50	C 432	CKSQYB103K50
C 205	CEJA1R0M50	C 433	CCSQCH101J50
C 206	CEJA1R0M50	C 434	CKSQYB103K50
C 207	CEJA470M10	C 435	CKSQYB223K25
C 208	CKSQYB104K50	C 436	CKSQYB103K50
C 209	CEJA100M16	C 437	CKSQYB102K50
C 211	CKSQYB822K50	C 438	CEJA220M6R3
C 212	CKSQYB822K50	C 440	CKSQYB223K25
C 213	CEJA1R0M50	C 501	CKSQYB104K50
C 214	CEJA1R0M50	C 502	CKSQYB223K25
C 215	CKSQYB152K50	C 503	CKSQYB223K25
C 216	CKSQYB152K50	C 504	CCSQCH101J50
C 217	CEJANP100M10	C 505	CEJA100M16
C 218	CEJANP100M10	C 506	CKSQYB104K50
C 219	CKSQYB183K25	C 507	CKSQYB222K50
C 220	CKSQYB183K25	C 508	CKSQYB104K50
C 221	CEJANP100M10	C 509	CKSYB105K16
C 222	CEJANP100M10	C 510	CKSQYB104K50
C 223	CKSYB334K16	C 511	CKSQYB472K50
C 224	CKSYB334K16	C 512	CKSQYB103K50
C 225	CKSQYB103K50	C 513	CKSQYB102K50
C 226	CKSQYB103K50	C 514	CCSQCH270J50
C 227	CKSYB105K16	C 515	CCSQCH270J50
C 228	CKSYB105K16	C 517	CCSQCH101J50
C 229	CKSQYB823K25	C 601	CCSQCH180J50
C 230	CKSQYB823K25	C 602	CCSQCH180J50
C 231	CKSQYB333K25	C 603	CEJA101M10
C 232	CKSQYB333K25	C 604	CCSQCH101J50
C 233	CKSQYB104K50	C 606	CCSQCH101J50
C 234	CKSQYB473K16	C 607	CKSQYB102K50
C 235	CKSQYB562K50	C 608	CCSQCH101J50
C 236	CKSQYB104K50		
C 237	CKSQYB473K16		

====Circuit Symbol & No.====Part Name	Part No.	====Circuit Symbol & No.====Part Name	Part No.
C 610	CCSQCH101J50	S 1904 Switch	CSG1099
C 653	CKSQYB103K50	S 1905 Switch	CSG1099
C 654	CKSQYB103K50	S 1906 Switch	CSG1043
C 655	CKSQYB103K50	S 1908 Switch	CSG1099
C 801	CKSQYB103K50	S 1910 Switch	CSG1085
C 802 220μF/10V	CCH1014	S 1911 Switch	CSG1099
C 803	CCSQCH101J50	S 1912 Switch	CSG1078
C 804	CCSQCH101J50	S 1913 Switch	CSG1084
C 805 220μF/10V	CCH1014	S 1914 Switch	CSG1085
C 806	CCSQCH101J50	S 1915 Switch	CSG1084
C 912	CKSQYB472K50	S 1917 Switch	CSG1085
C 913	CEJA470M10	S 1918 Switch	CSG1084
C 941	CEAS331M10	S 1919 Switch	CSG1085
C 942	CKSQYB103K50	S 1920 Switch	CSG1084
C 943	CEJA101M16	S 1921 Switch	CSG1085
C 951	CKSYF105Z25	S 1922 Switch	CSG1085
C 971 0.22F/5.5V	CCL1037	S 1923 Switch	CSG1085
C 972	CEJA2R2M50	S 1924 Switch	CSG1084
C 991	CKSQYB473K16	S 1930 Switch	CSN1027
C 992	CKSQYB102K50	LCD1901 LCD	CAW1403
C 993	CEJA101M10	EL	CEL1493

Keyboard Unit
Consists of
Keyboard PCB
Switch PCB

CF Unit Number : CWM5062
Unit Name : Keyboard Unit(DEH-P835R/EW)

MISCELLANEOUS

IC 1901 IC	RS-140
IC 1902 IC	PD6199A
IC 1903 IC	PD6200A
IC 1904 IC	SC14SU69F
Q 1901 Transistor	2SC2712
Q 1902 Transistor	IMH10A
Q 1903 Transistor	DTC143TK
Q 1904 Transistor	IMH10A
Q 1905 Transistor	IMH10A
Q 1906 Transistor	IMH10A
Q 1907 Transistor	IMH10A
D 1901 Diode	MA153
D 1902 Diode	MA153
D 1903 LED	CL155DPGD
D 1904 LED	CL155DPGD
D 1905 LED	CL170DCD
D 1906 LED	CL170DCD
D 1907 LED	CL170PGCD
D 1909 LED	CL170DCD
D 1910 LED	CL170DCD
D 1911 LED	CL170DCD
D 1912 LED	CL170DCD
D 1913 LED	CL170DCD
D 1914 LED	CL170DCD
D 1915 LED	CL170DCD
D 1916 LED	CL170DCD
D 1917 LED	CL170DCD
D 1918 LED	CL170DCD
D 1919 LED	CL170DCD
L 1901 Inductor	LCTB2R2K2125
L 1902 Inductor	LCTB2R2K2125
X 1901 Resonator 5.0000MHz	CSS1405
S 1901 Switch	CSG1043
S 1902 Switch	CSG1099
S 1903 Switch	CSG1085

RESISTORS

R 1901	RS1/8S222J
R 1902	RS1/8S222J
R 1903	RS1/10S272J
R 1904	RS1/10S121J
R 1905	RS1/10S102J
R 1906	RS1/10S103J
R 1907	RS1/10S470J
R 1908	RS1/10S470J
R 1909	RS1/10S470J
R 1910	RS1/10S470J
R 1911	RS1/4S561J
R 1912	RS1/4S561J
R 1913	RS1/10S151J
R 1915	RS1/8S271J
R 1917	RS1/8S271J
R 1919	RS1/10S151J
R 1921	RS1/10S151J
R 1923	RS1/10S151J
R 1925	RS1/10S151J
R 1927	RS1/8S271J
R 1929	RS1/8S151J
R 1931	RS1/10S102J
R 1936	RS1/10S103J
R 1941	RS1/10S470J
R 1942	RS1/10S470J

CAPACITORS

C 1901	CSZS100M6R3
C 1902	CSZS100M6R3
C 1903	CKSQYB103K50
C 1904	CKSQYB103K50
C 1905	CKSQYB103K50
C 1906	CKSQYB103K50
C 1907	CKSQYB103K50
C 1908	CKSQYB103K50
C 1909	CKSQYB103K50
C 1910	CKSQYB103K50
C 1911	CKSQYB103K50
C 1912	CCSQCH220J50
C 1913	CCSQCH220J50

DEH-P835R,P735R

====Circuit Symbol & No.===Part Name	Part No.	====Circuit Symbol & No.===Part Name	Part No.
<div>Keyboard Unit</div> <div>Consists of</div> <div>Keyboard PCB</div> <div>Switch PCB</div>		RESISTORS	
<div>C</div> <div>F</div>	Unit Number : CWM5416	R 1901	RS1/8S222J
	Unit Name : Keyboard Unit(DEH-P735R/EW)	R 1902	RS1/8S222J
MISCELLANEOUS		R 1903	RS1/10S272J
IC 1901	HIC	R 1904	RS1/10S121J
IC 1902	IC	R 1905	RS1/8S102J
Q 1901	Transistor		
Q 1902	Transistor	R 1906	RS1/10S103J
Q 1903	Transistor	R 1907	RS1/10S470J
		R 1908	RS1/10S470J
		R 1909	RS1/10S470J
		R 1910	RS1/10S470J
Q 1904	Transistor		
Q 1905	Transistor	R 1911	RS1/4S561J
Q 1906	Transistor	R 1912	RS1/4S561J
Q 1907	Transistor	R 1913	RS1/10S151J
D 1901	Diode	R 1915	RS1/8S271J
		R 1917	RS1/8S271J
D 1902	Diode	R 1919	RS1/10S151J
D 1903	LED	R 1921	RS1/10S151J
D 1904	LED	R 1923	RS1/10S151J
D 1905	LED	R 1925	RS1/10S151J
D 1906	LED	R 1927	RS1/8S271J
D 1907	LED	R 1929	RS1/8S151J
D 1909	LED	R 1936	RS1/10S103J
D 1910	LED	R 1940	RS1/10S0R0J
D 1911	LED	R 1941	RS1/10S470J
D 1912	LED	R 1942	RS1/10S470J
D 1913	LED	CAPACITORS	
D 1914	LED	C 1901	CSZS100M6R3
D 1915	LED	C 1902	CSZS100M6R3
D 1916	LED	C 1903	CKSQYB103K50
D 1917	LED	C 1904	CKSQYB103K50
		C 1905	CKSQYB103K50
D 1918	LED	C 1906	CKSQYB103K50
D 1919	LED	C 1912	CCSQCH220J50
L 1901	Inductor	C 1913	CCSQCH220J50
X 1901	Resonator 5.0000MHz		
S 1901	Switch	<div>D</div>	Unit Number : Unit Name : Detector PCB
S 1902	Switch	Q 1	Photo-transistor
S 1903	Switch	Q 2	Photo-transistor
S 1904	Switch		
S 1905	Switch	Miscellaneous Parts List	
S 1906	Switch		
S 1908	Switch	M	Pickup Unit(SERVICE)
S 1910	Switch	M 1	Motor Unit(SPINDLE)
S 1911	Switch	M 2	CRG Motor Unit(CARRIAGE)
S 1912	Switch	M 3	Load Motor Unit(LOADING)
S 1913	Switch		
S 1914	Switch		CXX1230
S 1915	Switch		CXA8912
S 1917	Switch		CXA8986
S 1918	Switch		CXA8702
S 1919	Switch		
S 1920	Switch		
S 1921	Switch		
S 1922	Switch		
S 1923	Switch		
S 1924	Switch		
S 1930	Switch		
LCD1901	LCD		
EL	EL		

6. ADJUSTMENT

6.1 TUNER ADJUSTMENT

● Connection Diagram

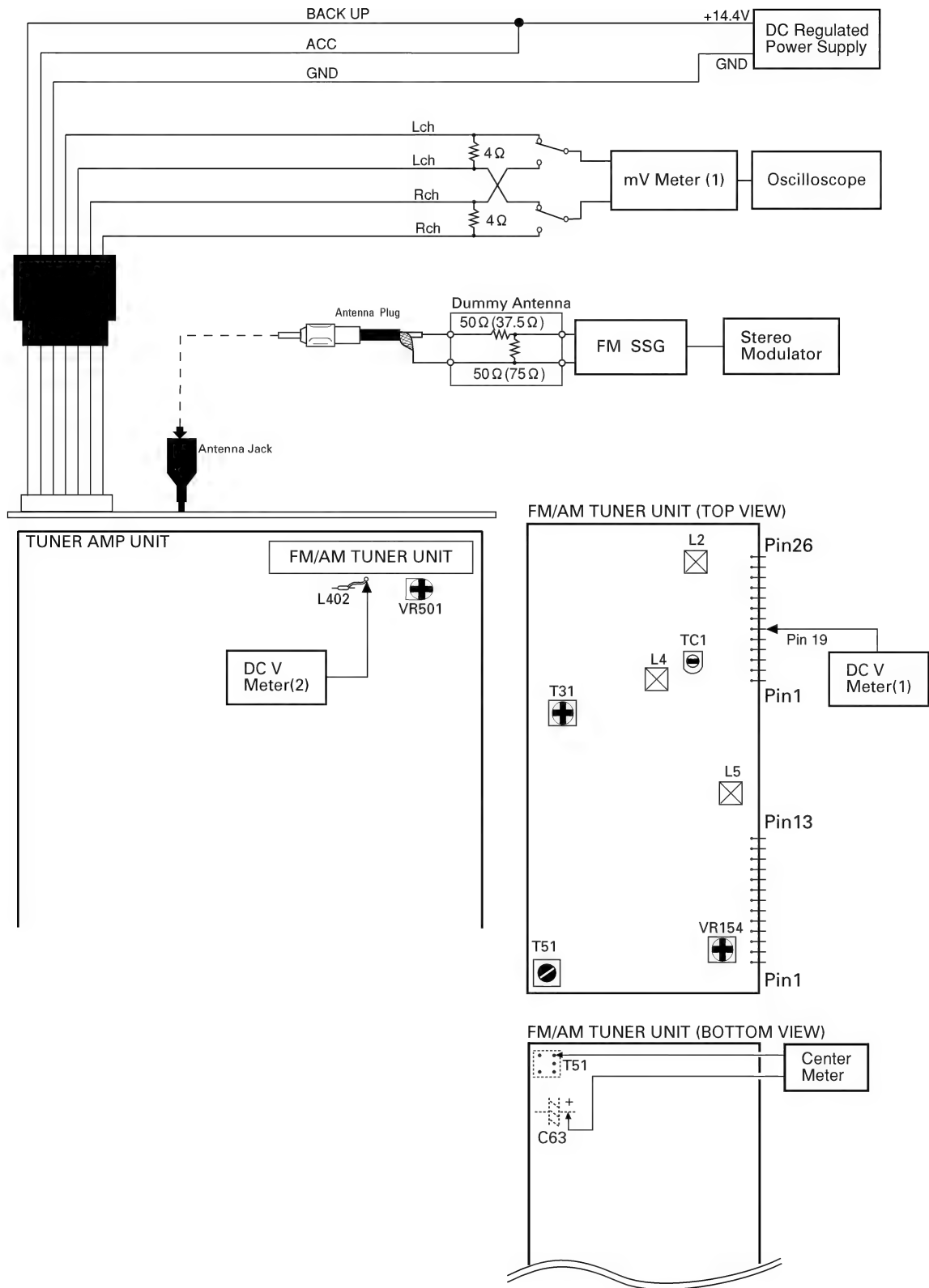


Fig. 22

FM ADJUSTMENT

Modulation M: MONO MOD., 400Hz 30%(22.5kHz Dev.)

S1: STEREO MOD., 1kHz, L or R=30%(20.25kHz+7.5kHz Dev.)

S2: STEREO MOD., 1kHz, L or R=60%(40.50kHz+7.5kHz Dev.)

NOTE: Before proceeding to further adjustments after switching power ON, let the tuner run for ten minutes to allow the circuits to stabilize.

	No.	FM SSG		Displayed Frequency(MHz)	Adjustment Point	Adjustment Method (Switch Position)
		Frequency(MHz)	Level(dBf)			
TUN Volt	1	.....	.....	108.0	L5	DC V Meter(1) : 6V
IF	1	98.1 M	60	98.1	T51	Center Meter : 0
ANT Coil	1	98.1 M	5	98.1	L2	mV Meter(1) : Maximum
RF Coil	1	98.1 M	5	98.1	L4	mV Meter(1) : Maximum
Image	1	129.3 M	60—80	107.9	TC1	mV Meter(1) : Minimum
IFT	1	98.1 M	5	98.1	T31	mV Meter(1) : Maximum (STEREO MODE)
ARC	1	98.1 S1	39	98.1	VR154	mV Meter(1) : Separation 5dB (STEREO MODE)

RDS SL ADJUSTMENT

	No.	FM SSG		Displayed Frequency(MHz)	Adjustment Point	Adjustment Method (Switch Position)
		Frequency(MHz)	Level(dBf)			
	1	104.0 S2	35	104.0	VR701	DC V Meter(2) : 1.75V±0.05V

6.2 CHECKING THE GRATING

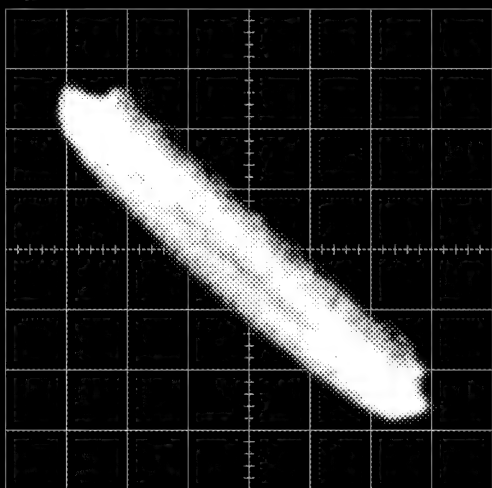
● Checking the Grating After Changing the Service Pickup Unit

<p>·Note : Unlike previous CD mechanism modules the grating angle of the Pickup unit cannot be adjusted after the Pickup unit is changed. The Pickup unit in the CD mechanism module is adjusted on the production line to match the CD mechanism module and is thus the best adjusted Pickup unit for the CD mechanism module. Changing the Pickup unit is thus best considered as a last resort. However, if the Pickup unit must be changed, the grating should be checked using the procedure below.</p>									
<p>·Purpose : To check that the grating is within an acceptable range.</p>									
<p>·Symptoms of Mal-adjustment : If the grating is off by a large amount symptoms such as being unable to close tracking, being unable to perform track search operations, or track searching taking a long time, may appear.</p>									
<p>·Method :</p> <table><tr><td>·Measuring Equipment</td><td>·Oscilloscope, Two L.P.F.</td></tr><tr><td>·Measuring Points</td><td>·E, F, REFOUT</td></tr><tr><td>·Disc</td><td>·ABEX TCD-784</td></tr><tr><td>·Mode</td><td>·TEST MODE</td></tr></table>		·Measuring Equipment	·Oscilloscope, Two L.P.F.	·Measuring Points	·E, F, REFOUT	·Disc	·ABEX TCD-784	·Mode	·TEST MODE
·Measuring Equipment	·Oscilloscope, Two L.P.F.								
·Measuring Points	·E, F, REFOUT								
·Disc	·ABEX TCD-784								
·Mode	·TEST MODE								
<p>·Checking Procedure</p> <ol style="list-style-type: none">1. In test mode, load the disc and switch the 5V regulator on.2. Using the → and ← buttons, move the Pickup unit to the innermost track.3. Press key 3 to close focus, the display should read "91". Press key 2 to implement the tracking balance adjustment the display should now read "81". Press key 3 4 times. The display will change, returning to "81" on the fourth press.4. As shown in the diagram above, monitor the LPF outputs using the oscilloscope and check that the phase difference is within 75° . Refer to the photographs supplied to determine the phase angle.5. If the phase difference is determined to be greater than 75° try changing the Pickup unit to see if there is any improvement. If, after trying this a number of times, the grating angle does not become less than 75° then the mechanism should be judged to be at fault. <p>·Note Because of eccentricity in the disc and a slight misalignment of the clamping center the grating waveform may be seen to "wobble" (the phase difference changes as the disc rotates). The angle specified above indicates the average angle.</p> <p>·Hint Reloading the disc changes the clamp position and may decrease the "wobble".</p>									

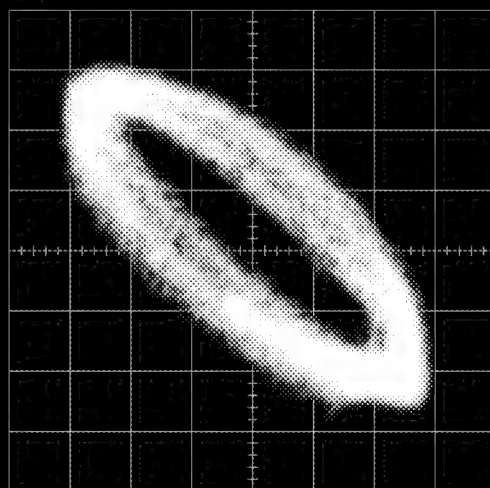
Grating waveform

Ech → Xch 20mV/div, AC
Fch → Ych 20mV/div, AC

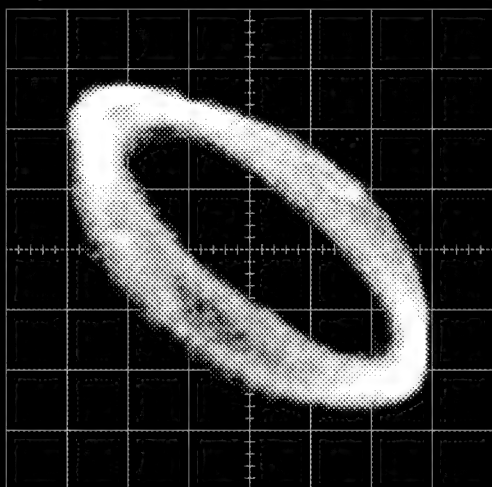
0°



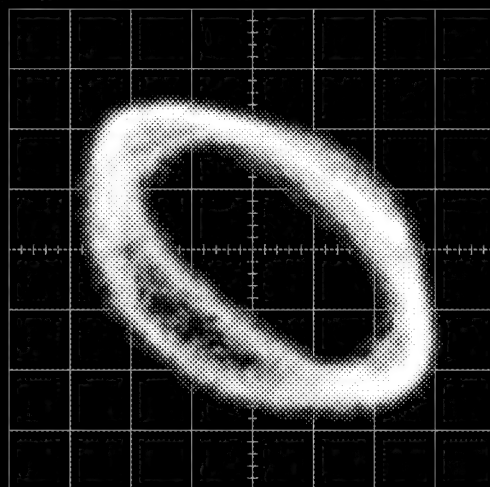
30°



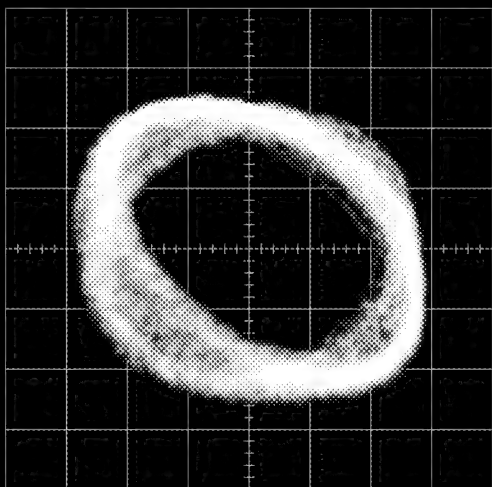
45°



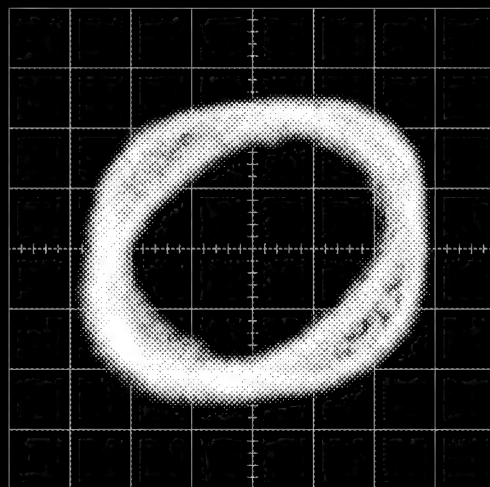
60°



75°



90°

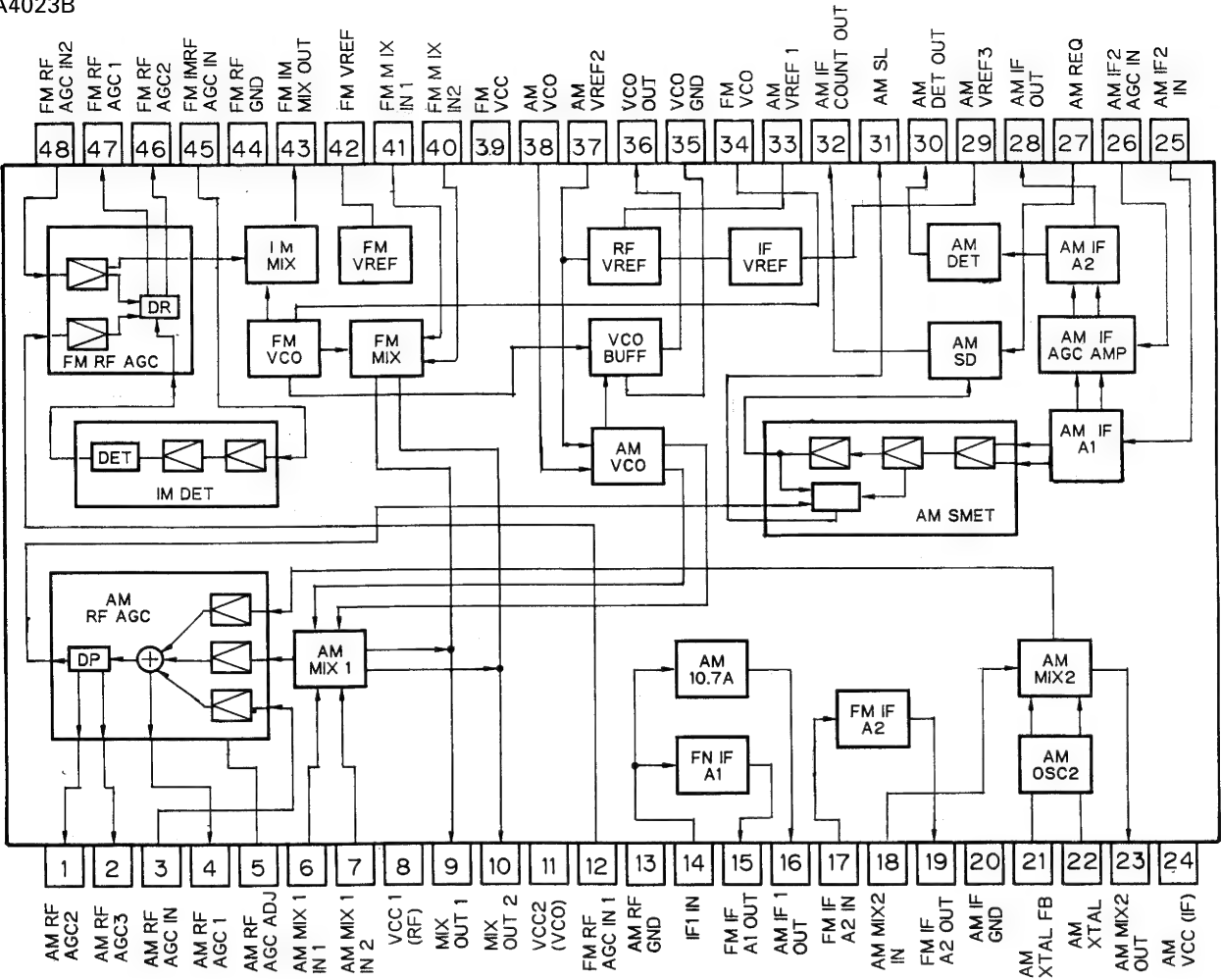


7. GENERAL INFORMATION

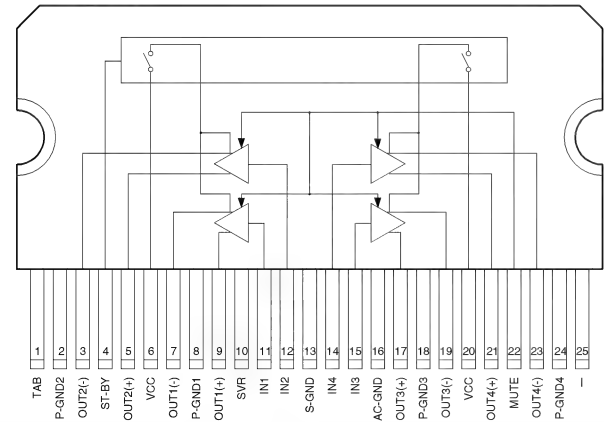
7.1 PARTS

7.1.1 IC

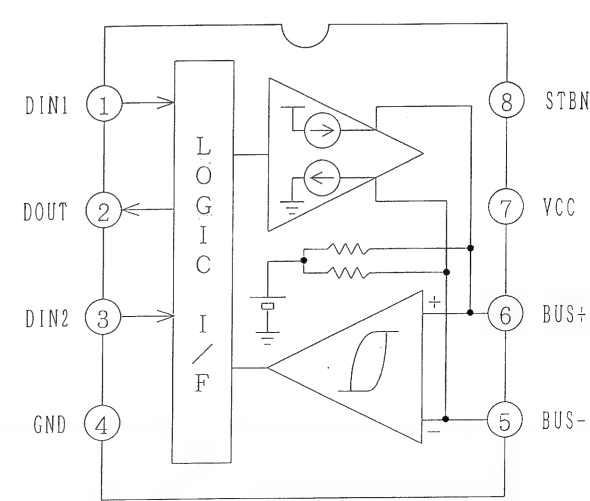
PA4023B



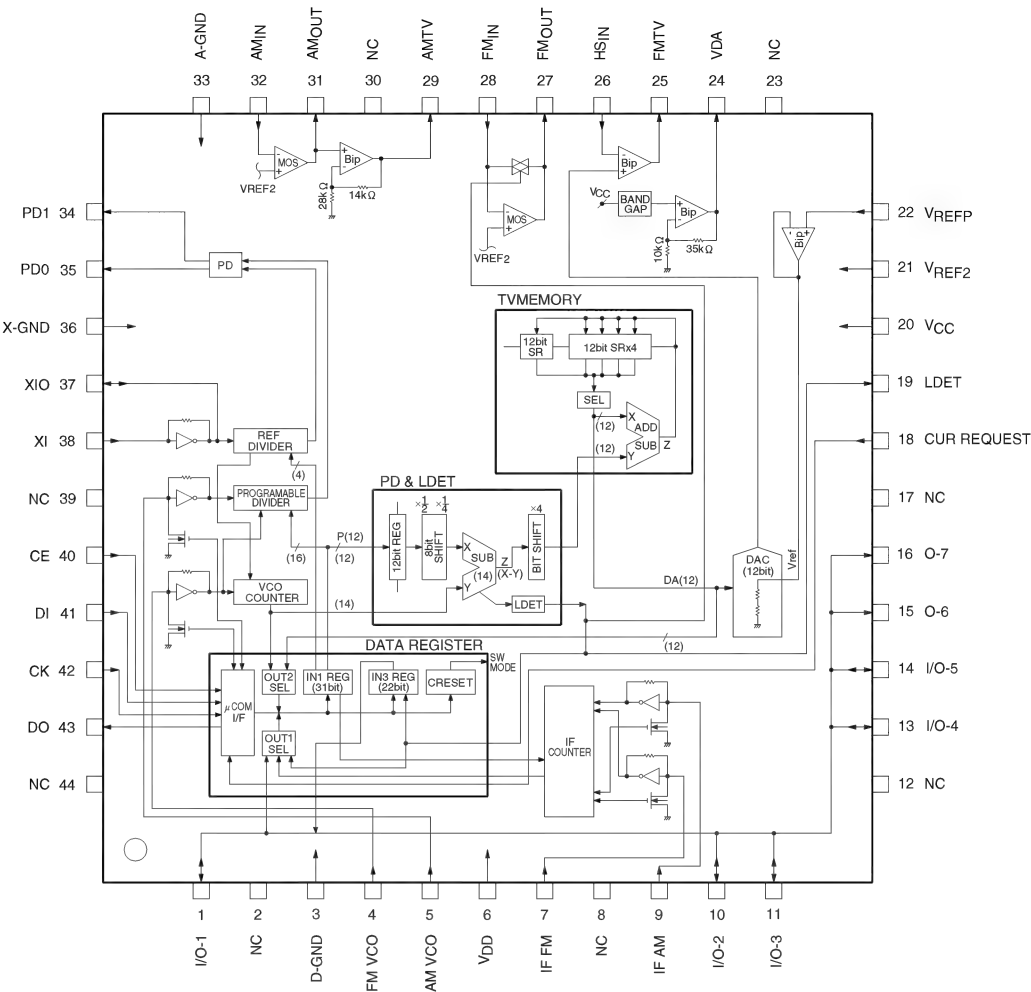
TDA7386



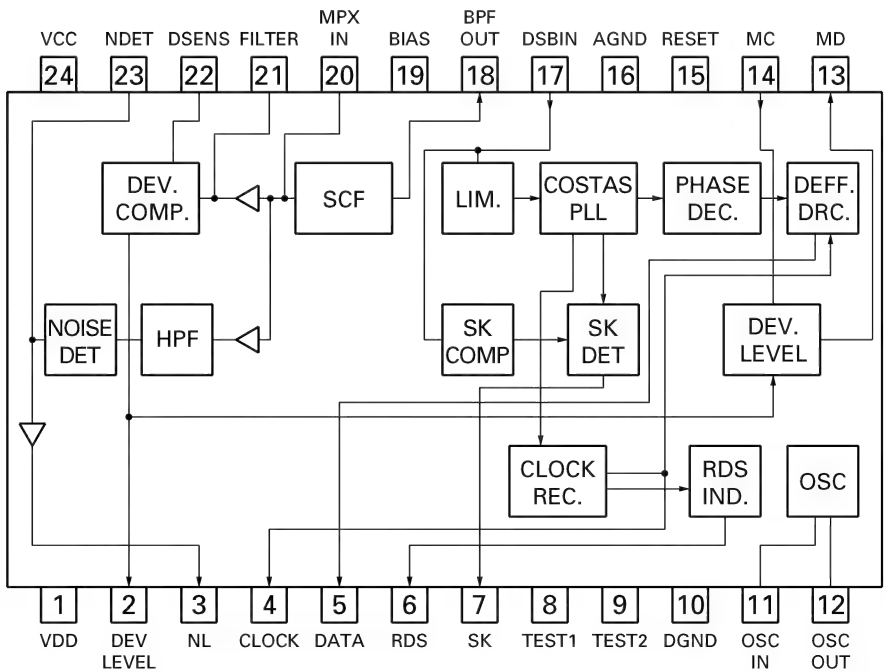
PM0008BF



PM2005B

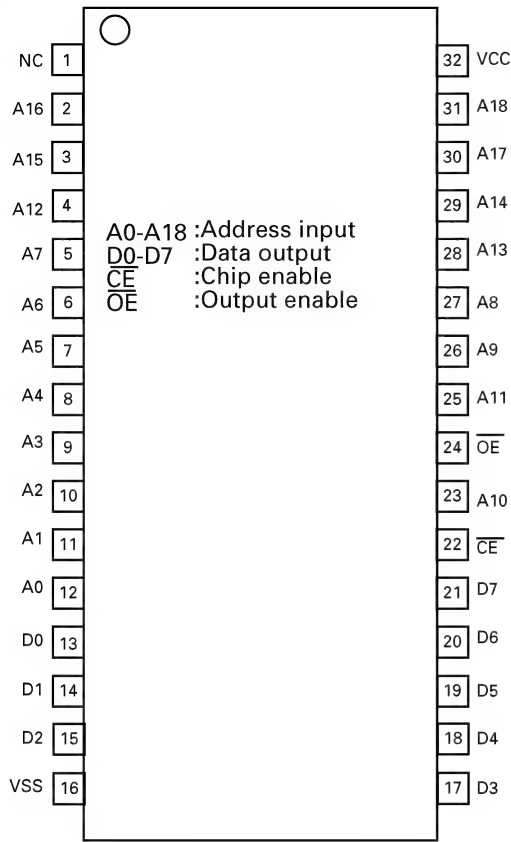


*PMW001B



DEH-P835R,P735R

*PD8027A



IC's marked by* are MOS type.
Be careful in handling them because they are very liable to be damaged by electrostatic induction.

● Pin Functions (PD4771A)

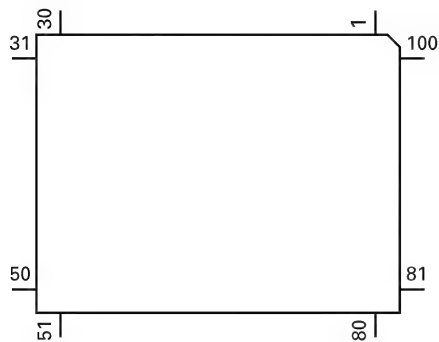
Pin No.	Pin Name	I/O	Function and Operation
1	SWVDD	O	Keyboard unit power supply control output
2	DSSENS	I	Grille detach sense input
3	CSSENS	I	Flap close sense input
4	ISSENS	I	Illumination power supply sense input
5	TESTIN	I	Test program mode input
6	DRST	O	RDS reset output
7	ERROR	O	RDS disapprove of error correction output
8	SK	I	RDS SK signal input
9	RECEIVE	I	During RDS data reception output
10	L/S	O	RDS fuzzy control output
11	RESET	I	Reset input
12	XT2		Not used
13	XT1		Not used
14	VSS		GND
15	X2		Crystal oscillator connection pin
16	X1		Crystal oscillator connection pin
17	REGC		Connect to VDD
18	REGOFF		Connect to VDD
19	VDD		Power supply
20	ILMPW	O	Illumination power supply control output
21	SYSPWR	O	System power control
22	ADPW	O	A/D converter power
23	LCDPW	O	LCD back light power supply control output
24	IPPW	O	Power supply control output for IP BUS interface IC
25	ASENBO	O	Slave power supply control output
26	AM	O	AM power output
27	TELIN	I	Telephone mute input

Pin No.	Pin Name	I/O	Function and Operation
28	MUTE	O	Mute output
29	DIM	O	Dimmer select output
30	SPMPX0	O	MPX output for spectrum analyzer
31	SPMPX1	O	MPX output for spectrum analyzer
32	SPMPX2	O	MPX output for spectrum analyzer
33	VCK	O	Clock output for electronic volume
34	VST	O	Strobe pulse output for electronic volume
35	VDT	O	Data output for electronic volume
36	TMUTE	O	Tuner mute output
37	SEL1	I	Destination sense input
38	SD	I	SD input
39	ST	I	FM stereo input
40	VSS		GND
41	VDD		Power supply
42	MDSENCE	I	Modulation detect input
43	MUTCNT	I	NF mute control input
44	RDSLK	I	RDS LK signal input
45	CURRO	O	Tuner voltage FIX output
46	RDT	I	RDS demodulation data input
47	DRELAY	O	External relay output
48	DRSENS	I	Door open/close sense input
49	DRSYS	O	Door system select output
50	DLED	O	Alarm LED output
51	DLSENS	I	Door lock sense input
52	STCUT	O	Starter cut off output
53	MOSENS	I	Motion/window damage sensor input
54	CD5VON	O	CD +5V power supply control output
55	CONT	O	CD Servo driver power supply control
56	VDCONT	O	CD VD control output
57	CDMUTE	O	CD mute output
58	CDEJET	O	CD load motor eject control output
59	CDLOAD	O	CD LOAD motor loading control output
60	LOCK	I	CD spindle lock detector input
61	FOK	I	CD focus OK signal input
62	PCL	O	Clock adjustment output
63	MIRR	O	CD MIRR detection signal output terminal
64	CLAMP	I	CD disc clamp sense input
65	XSCK	O	CD LSI clock output
66	XSI	I	CD LSI data input
67	XSO	O	CD LSI data output
68	XA0	O	CD Control signal distinguishing data output
69	XRST	O	CD LSI reset output
70	XSTB	O	CD LSI strobe output
71	VSRS	O	SRS output
72	VHIOUT	O	High output select output
73	TEST	I	Test terminal
74	SL	I	Signal level input from tuner
75	LEVEL	I	Level input for spectrum analyzer
76	CL	I	Detuning sense input
77	NL	I	RDS noise level input
78	EJTSNS	I	Disc EJECT position detect
79	DSCSNS	I	Disc detect
80	VDSSENS	I	CD VD short detection input
81	TEMP	I	Temperature detect input
82,83	VDD		Positive power supply terminal for logic circuit
84	GND		GND
85	RX	I	IP BUS data input
86	TX	O	IP BUS data output

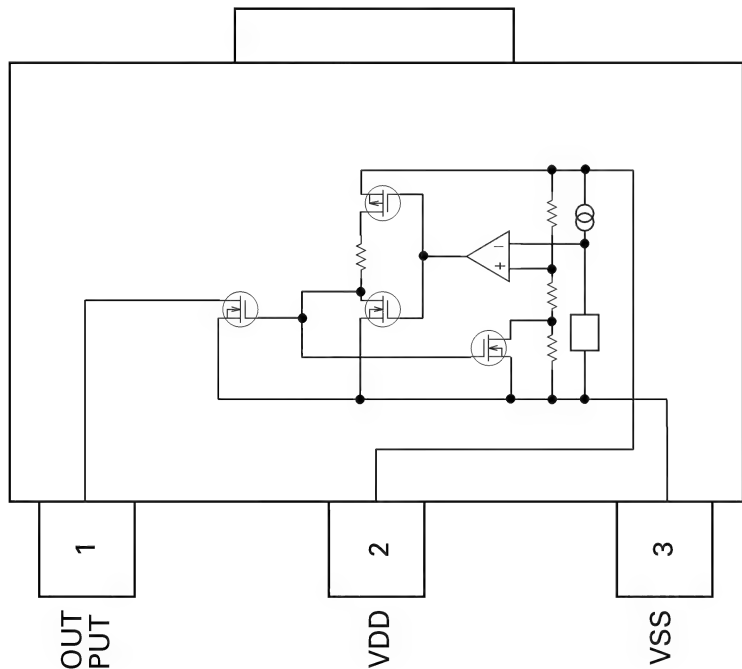
DEH-P835R,P735R

Pin No.	Pin Name	I/O	Function and Operation
87	GND		GND
88	LDET	I	PLL lock sense input
89	RCK	I	RDS demodulation clock input
90	RDS57K	I	57kHz BP-OUT sense input
91	SEL0	I	Destination sense input
92	ASENS	I	ACC power sense input
93	BSSENS	I	Back up power sense input
94	TUNPDI	I	PLL IC data input
95	KEYDT	I	Display data input
96	DPDT	O	Display data output
97	TUNPCK	O	PLL IC clock
98	TUNPDO	O	PLL IC data output
99	TUNPCE	O	PLL IC chip enable
100	PEE	O	Beep tone output

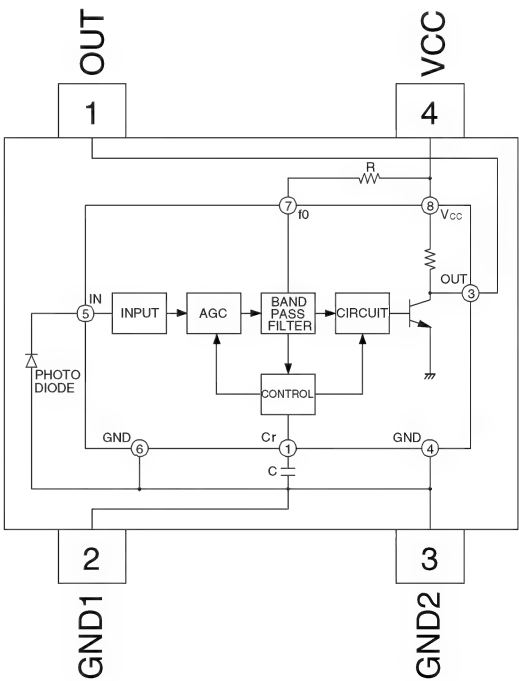
*PD4771A



S-80730ANDT



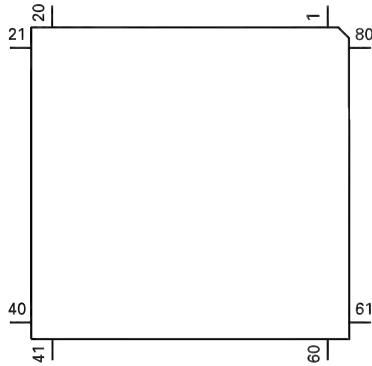
RS-140



● Pin Functions (PD6199A)

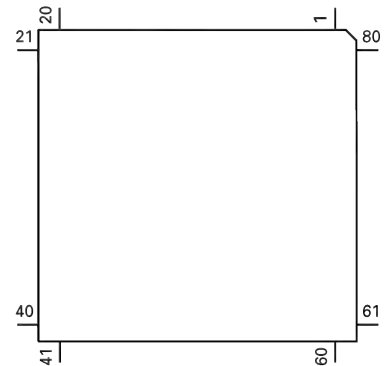
Pin No.	Pin Name	I/O	Format	Function and Operation
1	VSS			GND
2	XI	I		Crystal oscillator connection pin
3	XO	I		Crystal oscillator connection pin
4	RST	I		System reset
5,6	MOD1,0	I		Model select input
7	LED	O	C	LED control output
8	SO	O	C	Key data output
9	SI	I		Serial data input
10	REM	I		Remote control reception
11	SDRQ	I		Reception error request input
12	ILM	O	C	Illumination color select output
13-16	KD4-KD1	I		Key sense input
17-22	KST6-1	O	N	Key strobe output
23	VCC			Power supply terminal
24-73	SEG49-0	O		LCD segment output
74-77	COM3-0	O		LCD common output
78-80	V3-V1			LCD Power supply terminal

*PD6199A



Format	Meaning
C	C MOS
N	N channel open drain

*PD6200A



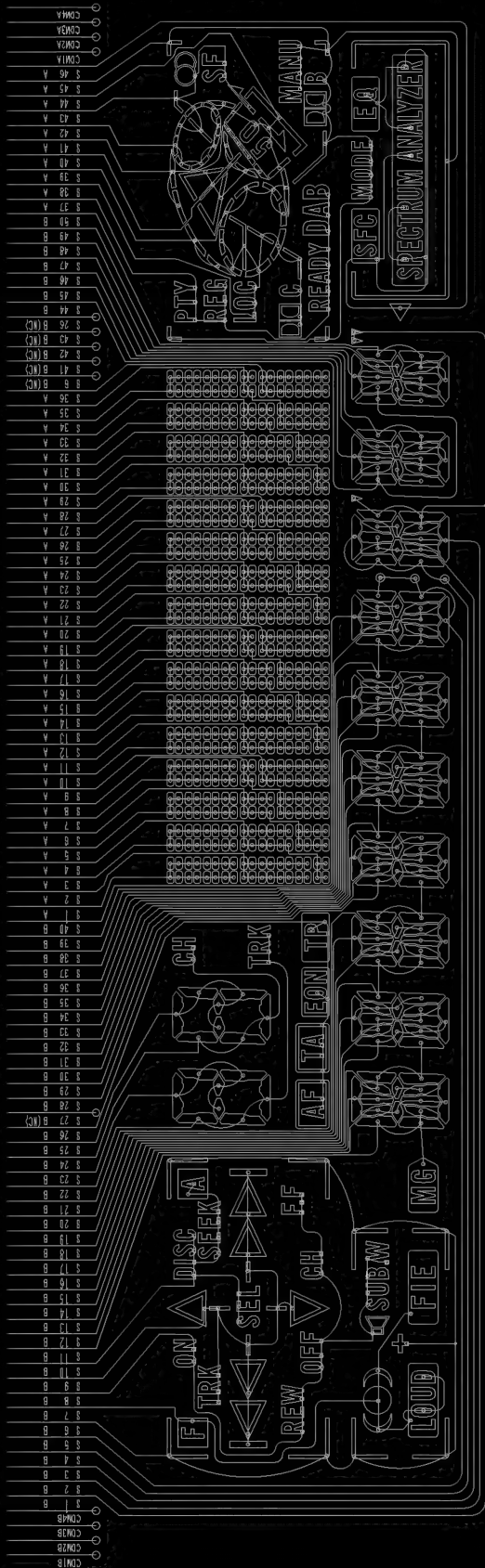
● Pin Functions (PD6200A)

Pin No.	Pin Name	I/O	Function and Operation
1	VSS		GND
2	XI	I	Crystal oscillator connection pin
3	XO	I	Crystal oscillator connection pin
4	RST	I	System reset
5,6	MOD1,0	I	Model select input
7,8	NC		Not used
9	SI	I	Serial data input
10	NC		Not used
11	RVER	O	Reception error output
12-22	NC		Not used
23	VCC		Power supply terminal
24-73	SEG49-0	O	LCD segment output
74-77	COM3-0	O	LCD common output
78-80	V3-V1		LCD Power supply terminal

7.1.2 DISPLAY

● CAW1403(DEH-P835R/EW)

SEGMENT



COMMON

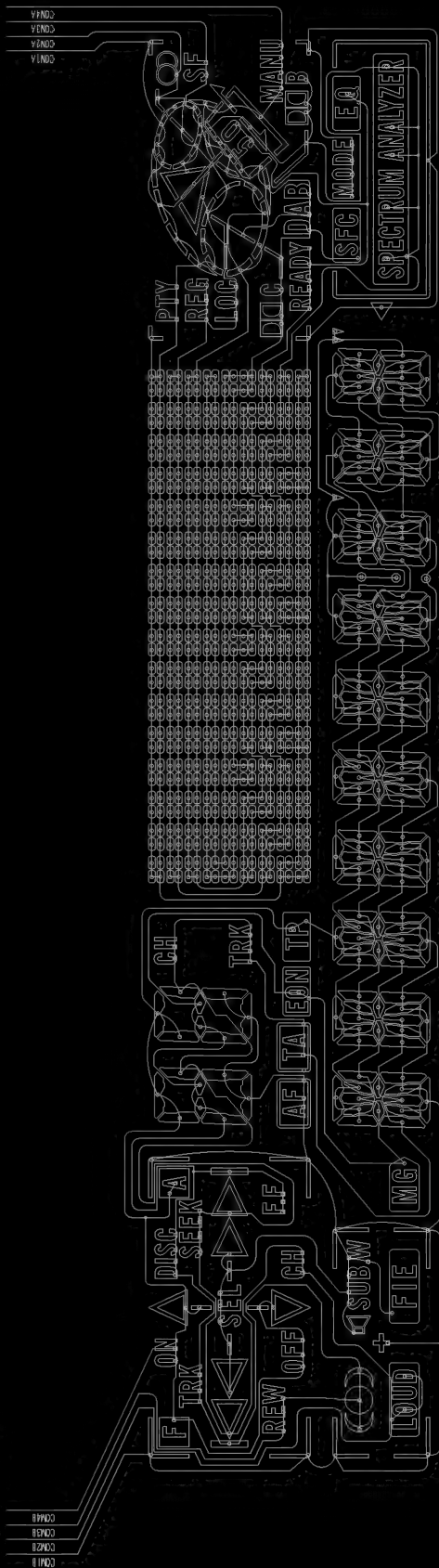
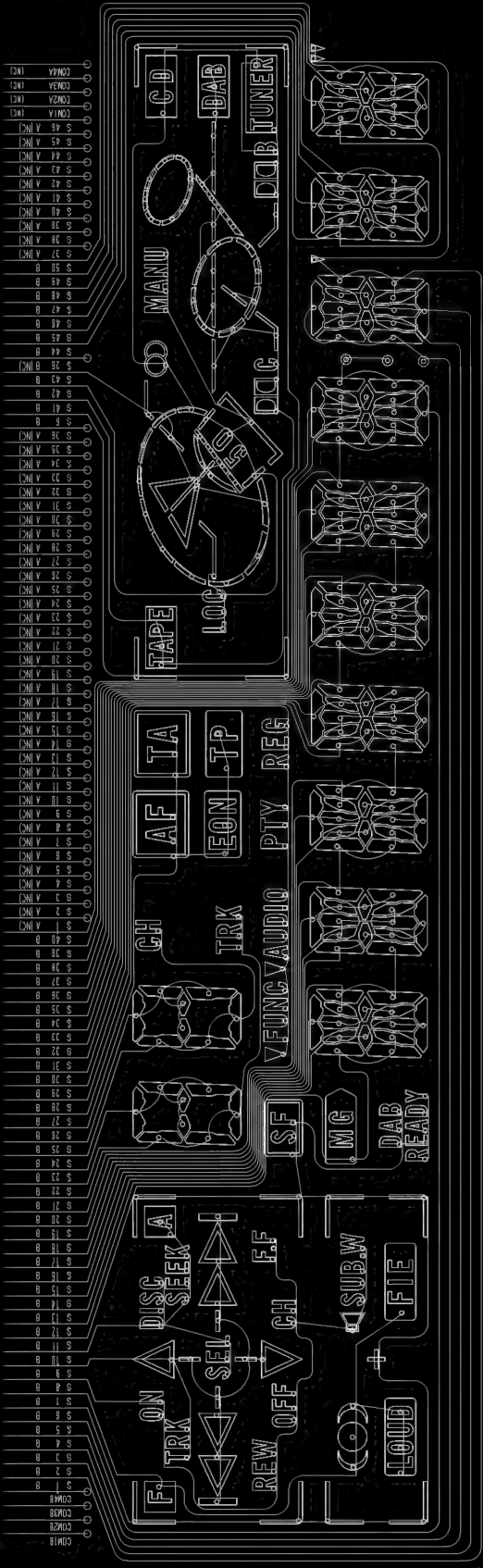


Fig. 23

● CAW1404(DEH-P735R/EW)

SEGMENT



COMMON

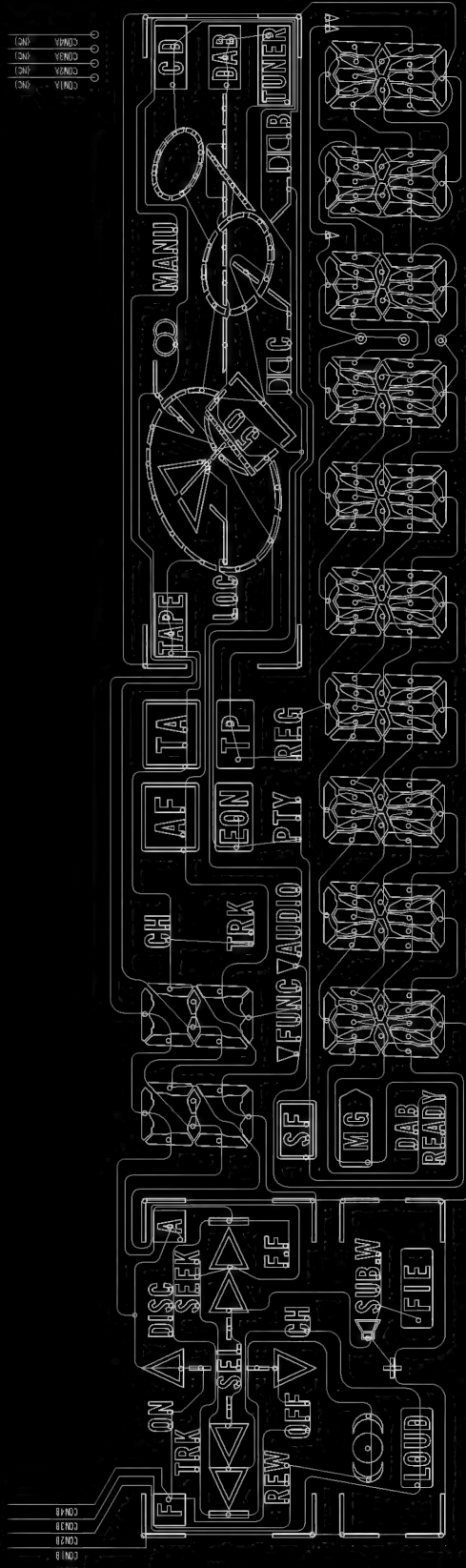


Fig. 24

7.2 DIAGNOSIS

7.2.1 DISASSEMBLY

● Removing the Case(Not shown)

- 1.Remove the two screws.
- 2.Insert and turn a flat screwdriver to remove the case.

● Removing the Detach Grille Assy(Fig.25)

- 1.Press the open button, and then pull Detach Grille Assy.

● Removing the Panel Assy(Fig.25)

- 1.Remove the two screws A.
- 2.Disconnect the two connectors.
- 3.Disconnect the two stoppers indicated by arrows, and then remove the Panel Assy.

● Removing the CD Mechanism Module(Fig.25)

- 1.Remove the four screws.
- 2.Disconnect the connector.
- 3.Remove the CD Mechanism Module.

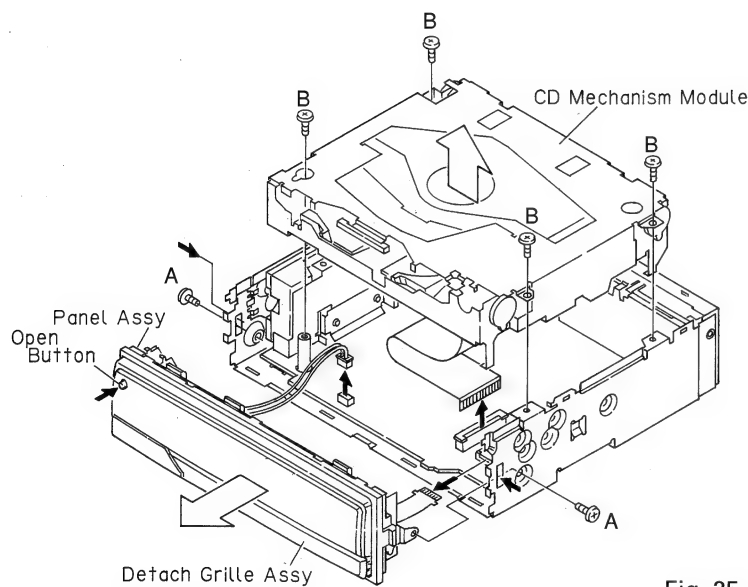


Fig. 25

● Removing the Chassis Unit(Fig.26)

- 1.Remove the two screws C, screw D, two screws E ,screw F, and screw G.
- 2.Stretch the four claws, and then remove the Chassis Unit.

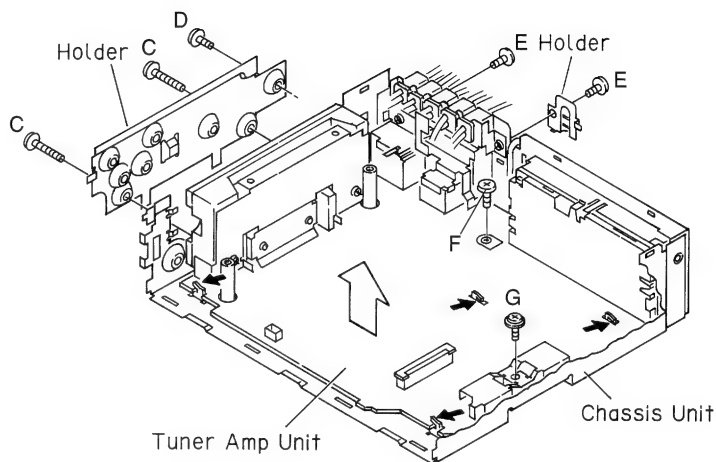


Fig. 26

7.2.2 TEST MODE

● CD Test Mode

1)Precautions

- This unit uses a single power supply (+5V) for the regulator. The signal reference potential, therefore, is connected to REFO(approx. 2.5V) instead of GND. If REFO and GND are connected to each other by mistake during adjustments, not only will it be impossible to measure the potential correctly, but the servo will malfunction and a severe shock will be applied to the pick-up. To avoid this, take special note of the following.
Do not connect the negative probe of the measuring equipment to REFO and GND together. It is especially important not to connect the channel 1 negative probe of the oscilloscope to REFO with the channel 2 negative probe connected to GND.
Since the frame of the measuring instrument is usually at the same potential as the negative probe, change the frame of the measuring instrument to floating status.
If by accident REFO comes in contact with GND, immediately switch the regulator or power OFF.
- Always make sure the regulator is OFF when connecting and disconnecting the various filters and wiring required for measurements.
- Before proceeding to further adjustments and measurements after switching regulator ON, let the player run for about one minute to allow the circuits to stabilize.
- Since the protective systems in the unit's software are rendered inoperative in test mode, be very careful to avoid mechanical and /or electrical shocks to the system when making adjustment.
- Test mode starting procedure
Switch ACC, back-up ON while pressing the **4** and **6** keys together.

- Test mode cancellation
Switch ACC, back-up OFF.
- Disc detection during loading and eject operations is performed by means of a photo transistor in this unit. Consequently, if the inside of the unit is exposed to a strong light source when the outer casing is removed for repairs or adjustment, the following malfunctions may occur.
*During PLAY, even if the eject button is pressed, the disc will not be ejected and the unit will remain in the PLAY mode.
*The unit will not load a disc.
When the unit malfunctions this way, either re-position the light source, move the unit or cover the photo transistor.
- When loading and unloading discs during adjustment procedures, always wait for the disc to be properly clamped or ejected before pressing another key. Otherwise, there is a risk of the actuator being destroyed.
- Turn power off when pressing the button → or the button ← key for focus search in the test mode. (Or else lens may stick and the actuator may be damaged.)
- SINGLE/4TRK/10TRK/32TRK will continue to operate even after the key is released. Tracking is closed the moment C-MOVE is released.
- JUMP MODE resets to SINGLE as soon as power is switched OFF.



● Error Number Indication

If the CD should fail to operate or if an error has taken place during operation the player will enter into the error mode, and the cause of the error will be numerically indicated.

This is aimed at assisting in analysis or repair.

(1) Basic Means of Display

·With ERROR indicated in "MODE" on IP-BUS Display data, an error code is transmitted by the use of MIN and SEC.

The MIN and SEC data will be identical.

·Examples of Display ERROR-XX

(2) Error Codes

Error Code	Classification	Description	Cause/Detail
10	ELECTRIC	Carriage home failure	Carriage doesn't move to or from the innermost position →Home switch failed and/or carriage immobile
11	ELECTRIC	Focus failure	Focus failed →Defects, disc upside-down, severe vibration
12	ELECTRIC	SETUP failure Subcode failure	Spindle failed to lock or subcode unreadable →Spindle defective, defect, severe vibration
14	ELECTRIC	Mirror failure	Unrecorded CD-R The disc is upside-down, defects, vibration
17	ELECTRIC	Set up failure	AGC protect failed →Defects, disc upside-down, severe vibration
19	ELECTRIC	Set up failure	Tracking error waveform is too unbalanced (>50%) or level is too small →The P.U.unit or tracking error circuitry is N.G.
30	ELECTRIC	Search time out	Failed to reach target address →Carriage/tracking defective and/or defects
A0	SYSTEM	Power failure	Power overvoltage or short circuit detected →Switching transistor defective and/or power abnormal

"defects" means scratches, dirt etc an the surface of the disc.

● New Test Mode(aging operation and setup analysis)

The single CD player plays in normal mode. After being set up, it will display FOK (focus), LOCK (spindle), subcode, sound skip, protection against a mechanical error or the like, occurrence of an error, cause and time of an expiry, if any, (and disc number).

During the setup, the CD software operation status (internal RAM and C-point)is displayed.

(1) How to enter NEW TEST Mode

See the test mode flow chart Page 71.

(2) Relations of keys between TEST and NEW TEST Modes

Keys	Test Mode		New Test Mode	
	Regulator OFF	Regulator ON	PLAY in progress	Error Occurred, Protection Activated
BA	Regulator ON	Regulator OFF	—	Time of occurrence / cause of error select
→	—	FWD-KICK	TRACK+ / FF	—
←	—	REV-KICK	TRACK- / REV	—
1	—	TRACKING CLOSE	SCAN	—
2	—	TRACKING OPEN	REPEAT	—
3	—	FOCUS CLOSE	RANDOM	—
6	To New Test Mode Select	FOCUS MODE	AUTO/MANU	—

Operations, such as EJECT, CD ON/OFF, etc. are performed normally.

(3) Error Cause (Error Number) Code

Error Code	Classification	Mode	Description	Cause	Detail
40	ELECTRIC	PLAY	FOK=L 100ms	Put out of focus	Scratch, Stain, Vibration, Servo defect, etc...
41	ELECTRIC	PLAY	LOCK=L 100ms	Spindle unlock	
42	ELECTRIC	PLAY	Subcode unacceptable 500ms	Failed to read subcode	
43	ELECTRIC	PLAY	Sound skipped	Last address memory operated	

(4) Indicating an Operation Status During Setup

Status No.	Description	Protection operation
01	Carriage home mode started	None
02	Carriage moving inwards	10-second time out, Home switch failed
03	Carriage moving outwards	10-second time out, Home switch failed
05	Carriage moving outwards	None
11	Setup started	None
12	Spindle turn/Focus search started	None
13	Waiting for focus closure (XSI=L)	Failure to close focus
10,14	Waiting for focus closure (FOK=H)	Failure to close focus
15, 16, 17	Focus closed, Tracking open	Focus disrupted
18	During focus AGC Subcode waiting	Focus disrupted
19	During tracking AGC	Disrupted focus
20	Waiting for MIRR, LOCK or subcode read Carriage closed, SPINDLE=ADAPTIVE	Focus disrupted, MIRR NG, Failure to lock, Failed to read subcode

(5) Example of Display.

·SET UP in progress

TNo.	Min	Sec
91	91	91

·Operation (PLAY, SEARCH, etc.) in progress perfectly identical with that in the normal mode.

·Protection/Error upon occurrence

(a) Error number indicated

ERROR-xx

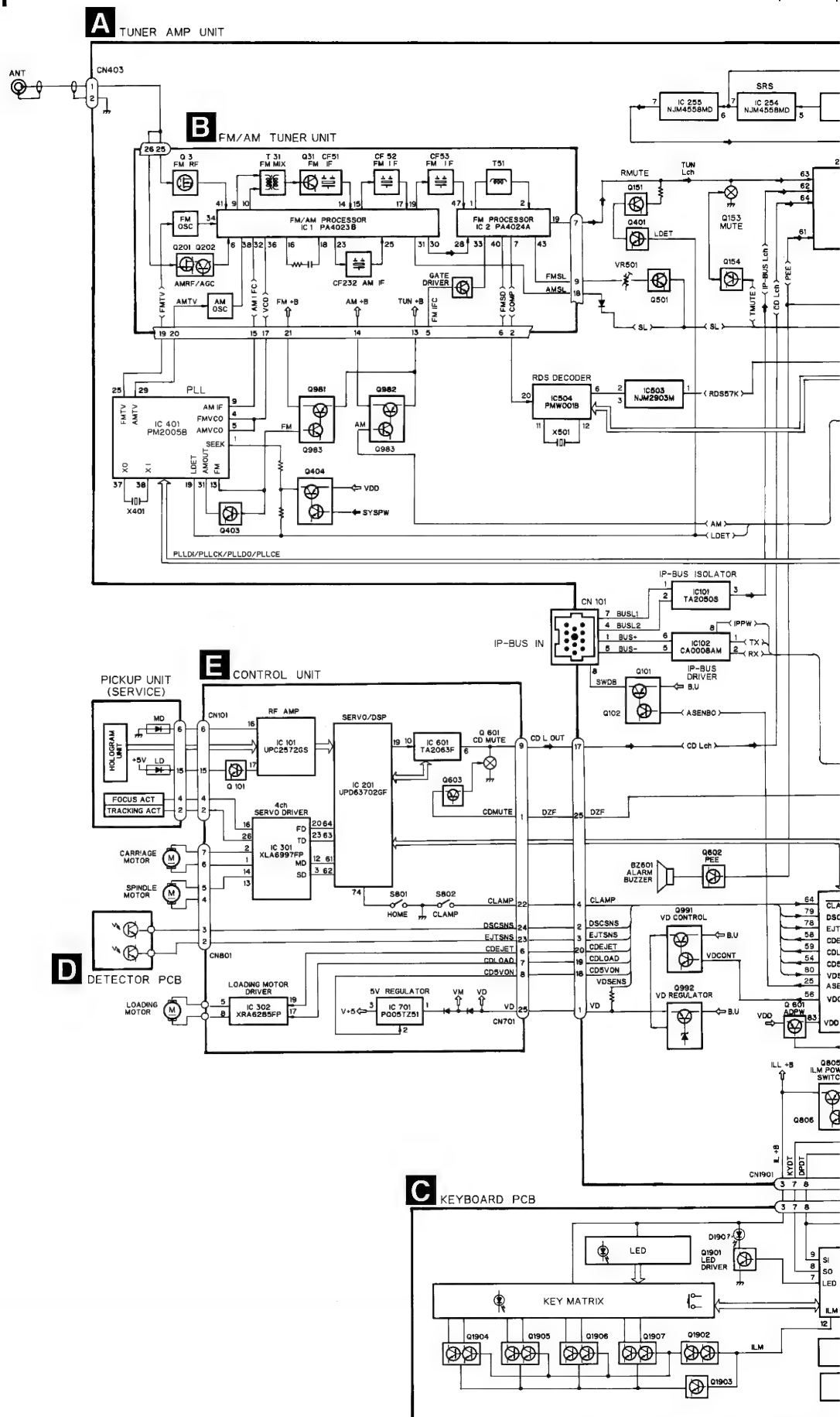
Select the display with the BAND key.

(b) Track number and absolute time indicated

TNo.	Min	Sec
10	40	05

7.3 BLOCK DIAGRAM

● DEH-P835R/EW



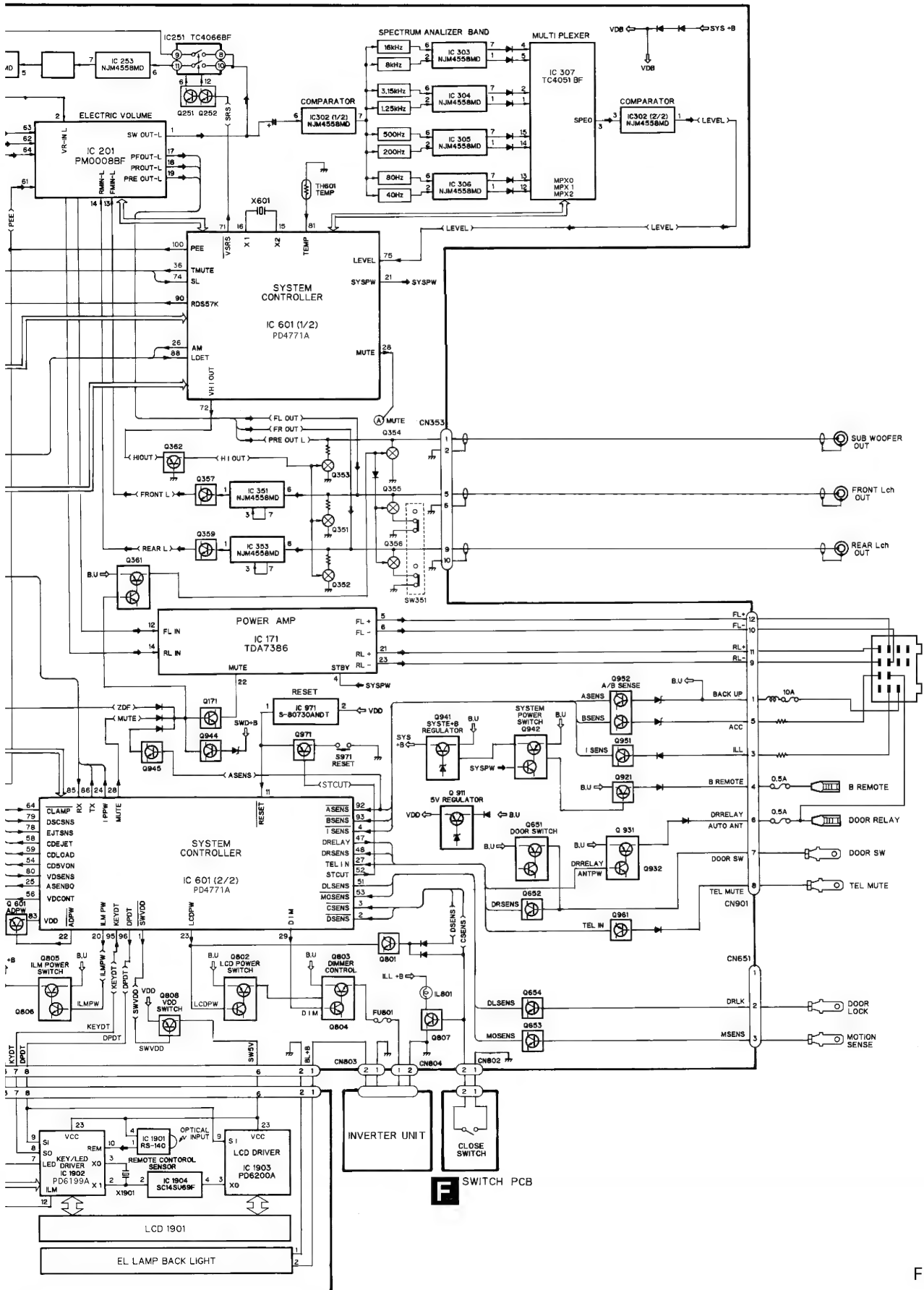


Fig. 27

8. OPERATIONS AND SPECIFICATIONS

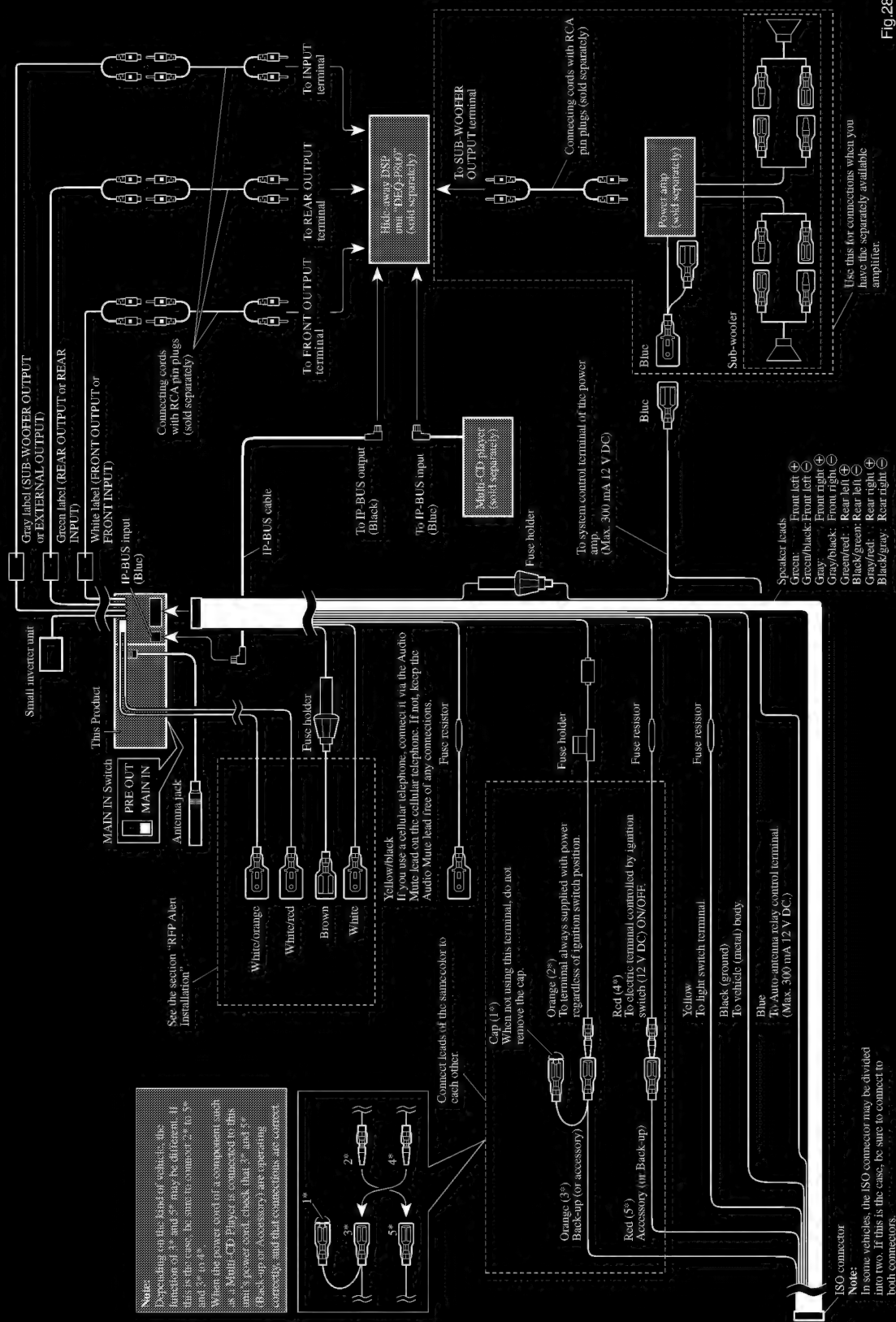


Fig.28

Connecting the Units

<ENGLISH>

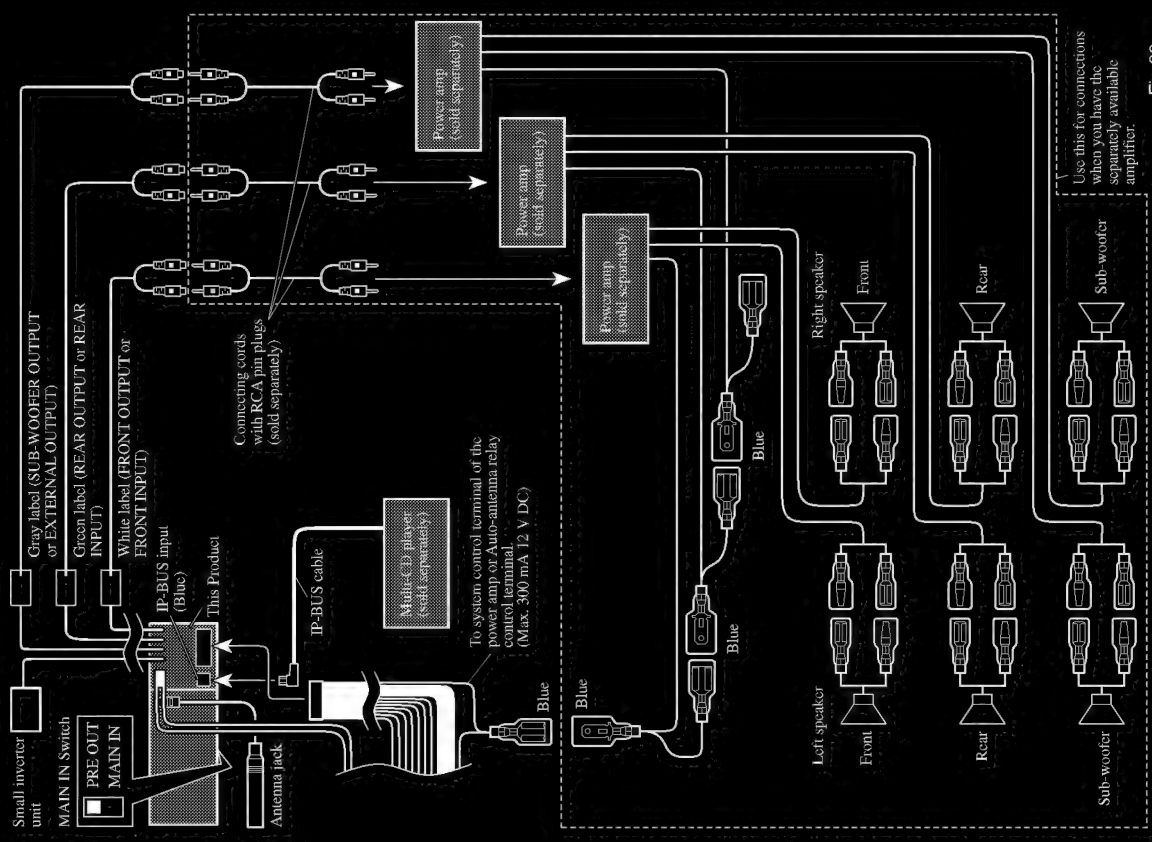
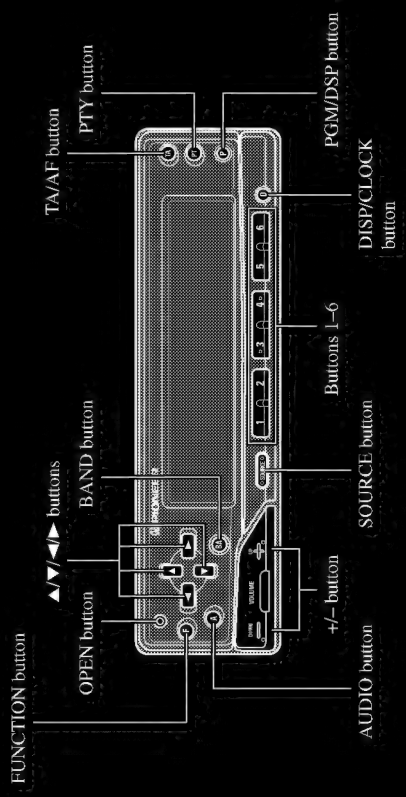


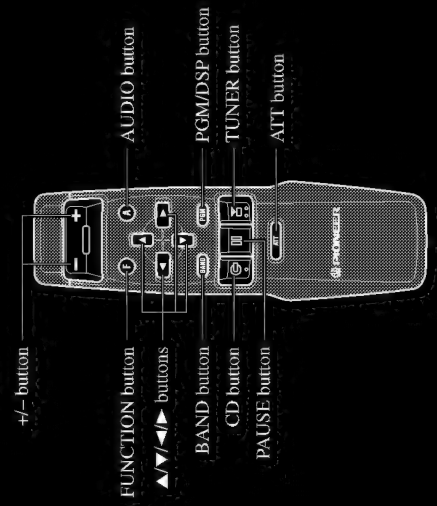
Fig.29

Key Finder

■ Head Unit



■ Remote Controller



Basic Operation

Switching Power ON/OFF

- Select the desired source (such as the tuner).



Head Unit

Each press of the SOURCE button selects the desired source in the following order:

Built-in CD Player → Tuner → Multi-CD player → AUX

To switch the sources OFF, hold down the SOURCE button for 1 second or more.

Remote Controller

Each press of the button selects the desired source in the following order:

TUNER button : Tuner → OFF

CD button : Built-in CD Player → Multi-CD player → OFF

Note:

- In the following cases, the sound source will not change:
 - No Multi-CD player is connected to this product
 - No disc is set in this product
 - No magazine is set in the Multi-CD player
 - AUX (external input) is set to OFF.

Tuner Operation

Basic Operation of Tuner

- Select Tuner.



Each press changes the Source ...

The program service name or frequency appears on the display.

- Select the desired band.



FM1 → FM2 → FM3 → MW/LW

- Tune the receiver to a higher or lower frequency.



This product's tuner lets you select the tuning by changing the length of the time you press the button.

Manual Tuning (step by step)	0.3 seconds or less
Seek Tuning (automatically)	0.3 - 2 seconds
Manual Tuning (continuously)	2 seconds or more

Note:

- "CD" indicator lights when a stereo station is selected.
- To select a weak broadcasting station that cannot be tuned in with the Seek Tuning function, tune in with Manual Tuning.

Using the Built-in CD Player

Basic Operation of Built-in CD Player

The built-in CD player plays one standard 12 cm or 8 cm (single) CD at a time. Do not use an adapter when playing 8 cm CD.

1. Open the front panel and insert the disc with the recorded (iridescent) surface down.



2. Close the front panel by swinging it gently upward.



3. Select the desired track (or fast-forward/reverse, per the chart below).



This product's built-in CD player lets you select the Track Search function or Fast-forward/Reverse function by changing the length of the time you press the button.

Track Search	0.5 seconds or less
Fast-forward/Reverse	Continue pressing

4. Raise or lower the volume.

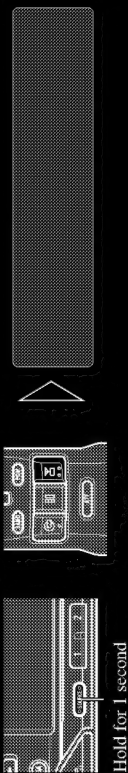


Tuner Operation

4. Raise or lower the volume.



5. Turn the source OFF.

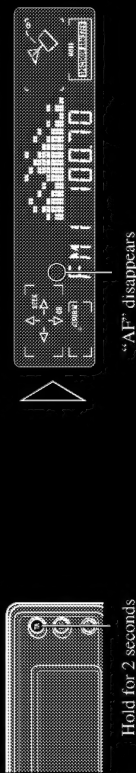


Hold for 1 second

AF Function Switching

This product's AF function can be switched ON and OFF. AF should be switched OFF for normal tuning operations.

- Switch AF OFF.



Hold for 2 seconds

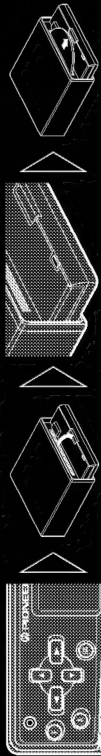
To switch AF ON, repeat the preceding operation.

Note:

- You can also switch the AF Function ON/OFF in the Function Menu.

Using Multi-CD Players

5. Open the front panel and remove the disc.



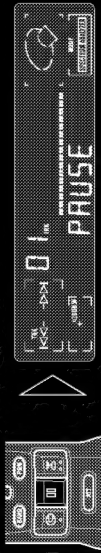
Be sure to close the front panel after removing the disc.

Note:

- The CD function can be turned ON/OFF with the disc remaining in this product. (See page 9.)
- Discs left partially inserted after ejection may incur damage or fall out.
- If a disc cannot be inserted fully or playback fails, make sure the recorded side is down, push the EJECT button and check the disc for damage before reinserting it.
- If a CD is inserted with the recorded side up, it will be ejected automatically after a few moments.
- If the built-in CD player cannot operate properly, an error message (such as "ERROR-14") appears on the display.

Pause

- Stop playback temporarily or restarts the system.



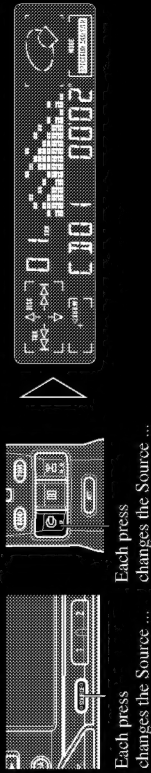
Note:

- You can also switch the Pause function ON/OFF in the Function Menu.

This product can control one or more multi-CD players.

Basic Operation of Multi-CD Players

1. Select the multi-CD player source.



Note:

- The multi-CD player may perform a preparatory operation, such as verifying the presence of a disc or reading disc information, when the power is turned ON or a new disc is selected for playback. "READY" is displayed.
- If the multi-CD player cannot operate properly, an error message such as "ERROR-14" is displayed. Refer to the multi-CD player owner's manual.
- If there are no discs in the multi-CD player magazine, "NO DISC" is displayed.

2. Select the desired disc.



3. Select the desired track (or fast-forward/reverse, per the chart below).

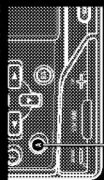


This product lets you select the track search function or fast-forward/reverse function by changing the length of the time you press the button.

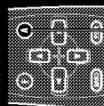
Track search	0.5 seconds or less
Fast-forward/Reverse	Continue pressing

Entering the Audio Menu

- Select the mode you want to adjust in Audio Menu.



Each press
changes the Mode ...



Each press
changes the Mode ...



Each press of the AUDIO button selects the mode in the following order:
FAD → BAS* → MID* → TRE* → LOUD → SUB.W** → (80HZ 0)**
→ (ASL)* → FIE → 3D-SRND* → PEAKBOUND → SLA

* You cannot select the "BAS", "MID", "TRE" and "3D-SRND" modes when a Hide-away DSP "DEQ-P800" is connected to this product.
You can select the "ASL" mode only when a Hide-away DSP "DEQ-P800" is connected to this product.

** You cannot select the "SUB.W" and "80Hz 0" modes when a DSP (except the Hide-away DSP) is connected to this product.

To cancel the Audio Menu, press the BAND button.

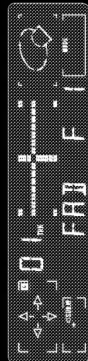
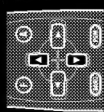
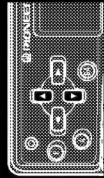
Note:

- You can select the "80HZ 0" mode only when sub-woofer output is switched ON in the SUB.W mode.
- After entering the Audio Menu, if you do not perform an operation which 30 seconds, the Audio Menu is automatically canceled.

Balance Adjustment

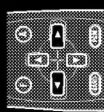
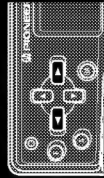
This function allows you to select a Fader/Balance setting that provides ideal listening conditions in all occupied seats.

- Select the Fader/Balance mode (FAD) in the Audio Menu.
- Shift the balance progressively to the front or rear speakers.



"FAD F15" – "FAD R15" is displayed as it moves from front to rear.
("FAD F9" – "FAD R9" is displayed as it moves from front to rear when a Hide-away DSP "DEQ-P800" is connected to this product.)

- Shift the balance to the left or right speaker, respectively.



"BAL L9" – "BAL R9" is displayed as it moves from left to right.
To cancel the Audio Menu, press the BAND button.

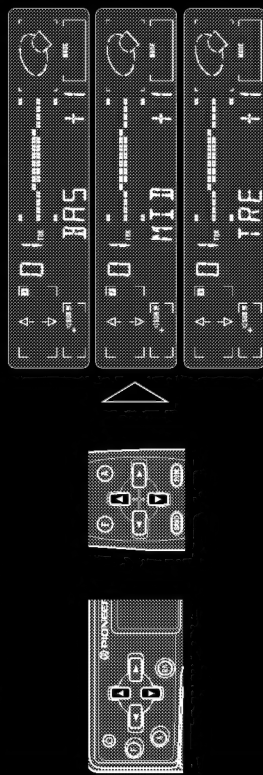
Note:

- "FAD 0" is the proper setting when 2 speakers are in use.
- You cannot shift the balance progressively to the front or rear speakers when a DSP (except the Hide-away DSP) is connected to this product.

Bass/Middle/Treble Adjustment

This product is equipped with three tone adjustment modes, the Bass (BAS), Middle (MID) and Treble (TRE) modes. It is possible to select a different tone adjustment setting for each source. The built-in CD player and multi-CD player are set to the same tone adjustment setting automatically.

1. Select bass mode (BAS), middle mode (MID) or treble mode (TRE) in the Audio Menu.
2. Increase or decrease the intensity of the Bass, Middle or Treble, whichever is selected.



The display shows "+6" - "-6".

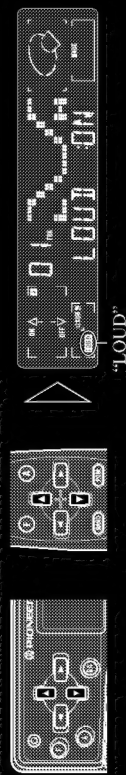
3. Repeat steps 1-2 above for the other Bass, Middle or Treble Adjustment.

To cancel the Audio Menu, press the BAND button.

Loudness Adjustment

The Loudness function compensates for deficiencies in the low and high sound ranges at low volume.

1. Select the Loudness mode (LOUD) in the Audio Menu.
2. Switch the Loudness function ON or OFF.



To cancel the Audio Menu, press the BAND button.

General

Power source	14.4 V DC (10.8 - 15.1 V allowable)
Grounding system	Negative type
Max. current consumption	10 A
Dimensions (mounting size)	178 (W) × 50 (H) × 155 (D) mm
(front face)	188 (W) × 58 (H) × 18 (D) mm
Weight	1.4 kg

Amplifier

Maximum power output	40 W × 4
Continuous power output	25 W × 4 (DIN45324, +B = 14.4 V)
Load impedance	4 Ω (4 - 8 Ω allowable)
Preout output level/output impedance	500 mV/1 kΩ
Sub-woofer output	
Crossover frequency	50 Hz, 80 Hz, 125 Hz
Crossover slope	-18 dB/oct
Tone controls	
(Bass)	±12 dB (100 Hz)
(Middle)	±12 dB (400 Hz)
(Treble)	±12 dB (10 kHz)
Loudness contour	+10 dB (100 Hz), +7 dB (10 kHz) (volume: -30 dB)

CD player

System	Compact disc audio system
Usable discs	Compact disc
Signal format	Sampling frequency: 44.1 kHz Number of quantization bits: 16; linear
Frequency characteristics	5 - 20,000 Hz (±1 dB)
Signal-to-noise ratio	94 dB (1 kHz) (IEC-A network)
Dynamic range	90 dB (1 kHz)
Number of channels	2 (stereo)

FM tuner

Frequency range	87.5 - 108 MHz
Usable sensitivity	11 dBf (1.0 μV/75 Ω, mono, S/N: 30 dB)
50 dB quieting sensitivity	16 dBf (1.7 μV/75 Ω, mono)
Signal-to-noise ratio	70 dB (IEC-A network)
Distortion	0.3% (at 65 dBf, 1 kHz, stereo)
Frequency response	30 - 15,000 Hz (±3 dB)
Stereo separation	40 dB (at 65 dBf, 1 kHz)

MW tuner

Frequency range	531 - 1,602 kHz
Usable sensitivity	18 μV (25 dB) (S/N: 20 dB)
Selectivity	50 dB (±9 kHz)

LW tuner

Frequency range	153 - 281 kHz
Usable sensitivity	30 μV (30 dB) (S/N: 20 dB)
Selectivity	50 dB (±9 kHz)

Note:

- Specifications and the design are subject to possible modification without notice due to improvements.